

## Product datasheet for **SC122360**

### GPSM3 (BC018724) Human Untagged Clone

#### Product data:

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| Product Type:             | Expression Plasmids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Product Name:             | GPSM3 (BC018724) Human Untagged Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Tag:                      | Tag Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Symbol:                   | GPSM3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms:                 | C6orf9; G-protein signaling modulator 3 (AGS3-like, <i>C. elegans</i> ); G-protein signalling modulator 3 (AGS3-like, <i>C. elegans</i> ); G18; G18.1a; G18.1b; G18.2; NG1; OTTHUMP00000029352; OTTHUMP00000062706                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Mammalian Cell Selection: | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Vector:                   | <u>pCMV6-XL5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Fully Sequenced ORF:      | <p>&gt;OriGene sequence for BC018724 edited</p> <p>CAAGGTTCCAGCCTCCTCCCAAATCCCAGCCACCCCTCCCCACCAGTTTCTCCCTCT<br/>AGGGGATGGAGGCTGAGAGACCCAGGAAGAAGAGGATGGTGAGCAGGGCCCCCTCAGG<br/>ATGAGGAAGGCTGGCCCCCTCCAACTCCACCACTCGGCTTGGCGATCTGCTCCTCCAT<br/>CCCCTCCTCCTCAGGGACCCGCCACACAGCCCTGGGACCCCGCTCGGCTCCTGCTCT<br/>CCCTGCAGACTGAACTCCTTCTGGACCTGGTGGCTGAAGCCAGTCCCGCCGCTGGAGG<br/>AGCAGAGGGCCACCTTCTACACCCCAAAACCCCTCAAGCCTAGCCCCTGCCCCACTCC<br/>GTCCTCTCGAGGACAGAGAAGCTTTACAGCACTATCCTCAGTCACCACTGCCAGCGGA<br/>TGAAGCCAGCGGTGAGAGCCTCCCTCCCTCCAGGGGGCAAGAGCTCCTGGAGTTGC<br/>TGCTGAGAGTTGAGGTGGGGTGAATGGAGGAGCAAAGGTCCCGGCCCCCACACACA<br/>CCTGCTGAGACTGAGCCCCAACAGCCCTTCTTGGCACTGGTCTCAAAGCTGGGCAGC<br/>CCATTGCATGCCCTCACTCTTGTGTTGGCAGGGGTACCAGAGACTGAAAGACACGGCACA<br/>AATCTCAATATTCATCTCCACATCACCTTCCCTGGGAAGTGGACAGGGTGAAGTCCTC<br/>AAACTCTGGGAACAGGCAGATGGAACAGGGATTAACTCCCCGCCACAGGTCCATGGG<br/>AGCTTGAGGCAGTAAGGGGGATCCAGGCACCATCTCAAGGAGTGGCTGGGAGTCTTTT<br/>CCCTAACTTGTGGGGACACCAGTTGTCAAGCTACTAGGCAGTAGGGTCTGAGGGCTC<br/>AGGCCTCCACCTGAGAGTTATAACCTGAGAGACAGCTTACCCTTCTCCAGTAAGAA<br/>GGGAAGGTGGGTGGGCACCTGAGAGATTAAGACTATTCTCCAGTCCCACTACCAGCACC<br/>CCCGATCCCTGAGACTGAGGGGTTACGGGCTGTGAATGGACCTCAGCCCTGCCACCC<br/>TCCCTCCCCACTGCTGCTGAGTCTGTGATGTTTGGTTGTGAATAAATAATTCC<br/>CCTCTGGAAAAAAAAAAAAAAAAAAAAA</p> |



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| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for BC018724 unedited</p> <pre> NAAAATTTGTGTCANCATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCA AGGTTCCAGCCCTCCTCCCAATCCCATCCACCCTCCCCACCAGTTTCTCCCTCTAG GGGATGGAGGCTGAGAGACCCAGGAAGAAGAGGATGGTGAGCAGGGCCCCCTCAGGAT GAGGAAGGCTGGCCCCCTCCAACTCCACCACTCGGCCTTGGCGATCTGCTCCTCCATCC CCTCCTCCTCCAGGGACCCGCCACAGCCCTGGGACCCCGCTCGGCCTCCCTGCTCTCC CTGCAGACTGAACCTCTTCTGGACCTGGTGGCTGAAGCCAGTCCCGCCGCTGGAGGAG CAGAGGGCCACCTTCTACACCCCAAAACCCCTCAAGCCTAGCCCTGCCCCACTCCGT CCTCTCGAGGACAGAGAACAGCTTTACAGCACTATCCTCAGTCACCAGTGCCAGCGGATG GAAGCCCAGCGGTGAGAGCCTCCCTCCCTCCAGGGGGGCAAGAGCTCCTGGAGTTGCTG CTGAGAGTTTCATGGTGGGGTGAATGGAGGAGCAAAGTCCCGCCCCCACACACACC TGCTGAGACTTGAGCCCCAACAGCCCTTCCTTGCCACTGGTCTCAAAGCTGGGCAGCCC ATTGCATGCCCTCAACTTTGCTTGGCAGGGTACCAGAGACTGAAAGACACGGCACAAC TCTCAATATTCATCTCCACATCACCTTCCTGGGAACTGGACAGGTGAAAGTCCTCAN ACTCTGGGAACAGGCGAGATGGAACAGGNATTTAACTCCCGCCACAGGTCCATGGGAG CTTGAGGCAGTAGGGGGATCCCATGCACCCAT </pre> |
| <b>Restriction Sites:</b>           | Please inquire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ACCN:</b>                        | BC018724                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Insert Size:</b>                 | 1170 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>OTI Disclaimer:</b>              | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Components:</b>                  | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq:</b>                      | <u><a href="#">BC018724.1</a></u> , <u><a href="#">AAH18724.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>                 | 1170 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Locus ID:</b>                    | 63940                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cytogenetics:</b>                | 6p21.32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>                | Interacts with subunit of G(i) alpha proteins and regulates the activation of G(i) alpha proteins.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |