

## Product datasheet for SC307556

### Marapsin2 (PRSS38) (NM\_183062) Human Untagged Clone

#### Product data:

|                           |                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                     |
| Product Name:             | Marapsin2 (PRSS38) (NM_183062) Human Untagged Clone                                     |
| Tag:                      | Tag Free                                                                                |
| Symbol:                   | Marapsin2                                                                               |
| Synonyms:                 | MPN2                                                                                    |
| Mammalian Cell Selection: | Neomycin                                                                                |
| Vector:                   | pCMV6-Entry (PS100001)                                                                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                    |
| Fully Sequenced ORF:      | >SC307556 representing NM_183062.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**  
 ATGGCTGCCCCTGCTTCCGTATGGGCCCACTCGGGCCCTCTGCCCTGGGCCTTCTGCTGCTGCTCCTG  
 GTGGTGGCCCCTCCCGGGTCGCAGCATTGGTCCACAGACAGCCAGAGAACCAGGGAATCTCCCTAACT  
 GGCAGCGTGGCCTGTGGTCGGCCAGCATGGAGGGGAAAATCCTGGGCGGCGTCCCTGCGCCGAGAGG  
 AAGTGGCCGTGGCAGGTGAGCGTGCCTACGCAGGCCCTCCACGTCTGCGGCGGCTCCATCCTCAATGAG  
 TACTGGGTGCTGTCAGCTGCGCACTGCTTTCACAGGGACAAGAATATCAAAATCTATGACATGTACGTA  
 GGCCTCGTAAACCTCAGGGTGGCCGGCAACCACACCCAGTGGTATGAGGTGAACAGGGTGATCCTGCAC  
 CCCACATATGAGATGTACCACCCCATCGGAGGTGACGTGGCCCTGGTGCAGCTGAAGACCCGCATTGTG  
 TTTTCTGAGTCCGTGCTCCCGGTTTGCCTTGCAACTCCAGAAGTGAACCTTACCAGTGCCAAATGCTGG  
 GCTACGGGATGGGGACTAGTCTCAAAACAAGGTGAGACCTCAGACGAGCTGCAGGAGATGCAGTCCCG  
 CTGATCCTGGAGCCCTGGTGCCACCTGCTCTACGGACACATGCTCTACATCATGCCCGACATGCTGTGT  
 GCTGGGGACATCCTGAATGCTAAGACCGTGTGTGAGGGCGACTCCGGGGGCCACTTGTCTGTGAATTC  
 AACCGCAGCTGGTTGCAGATTGGAATTGTGAGCTGGGGCCGAGGCTGCTCCAACCCTCTGTACCTTGA  
 GTGTATGCCAGTGTTCCTATTTCTCAAAATGGATATGTGATAACATAGAAATCACGCCCACTCCTGCT  
 CAGCCAGCCCCTGCTCTCTCCAGCTCTGGGGCCCACTCTCAGCGTCCTAATGGCCATGCTGGCTGGC  
 TGGTCAGTGCTGTGA  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

|                    |           |
|--------------------|-----------|
| Restriction Sites: | SgfI-MluI |
| ACCN:              | NM_183062 |
| Insert Size:       | 981 bp    |


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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.                                                                                                                                                                                                                                                      |
| <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>                | <a href="#">NM_183062.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>           | 1243 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 981 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 339501                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <a href="#">A1L453</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>          | 1q42.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Families:</b>      | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW:</b>                    | 35.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |