

## Product datasheet for **SC335735**

### GPATCH2 (NM\_001297754) Human Untagged Clone

#### Product data:

|                           |                                                                                            |
|---------------------------|--------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                        |
| Product Name:             | GPATCH2 (NM_001297754) Human Untagged Clone                                                |
| Tag:                      | Tag Free                                                                                   |
| Symbol:                   | GPATCH2                                                                                    |
| Synonyms:                 | CT110; GPATC2; Pfa1; PPP1R30                                                               |
| Mammalian Cell Selection: | Neomycin                                                                                   |
| Vector:                   | pCMV6-Entry (PS100001)                                                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                       |
| Fully Sequenced ORF:      | >SC335735 representing NM_001297754.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
ATGTTCCGGGGCCCGGGCGCCAACCGATCGGAGCTCCAGCAGCCGGGAACAGCTGGCATTTCAGTAGA  
ACCATGGAGGAGCTGGTTCATGACCTTGTCTCAGCATTGGAAGAGAGCTCAGAGCAAGCTCGAGGTGGA  
TTTGCTGAAACAGGAGACCATTCTGAAGTATATCTTGCCCTCTGAAACGCCAGGCAAGGAAAAGGAGA  
GGGAGAAAACGGAGGTCGTATAATGTGCATCACCCGTGGGAGACTGGTCACTGCTTAAGTGAAGGCTCT  
GATTCTAGTTTGAAGAACCAAGCAAGGACTATAGAGAGAATCACAATAATAAAAAAAGATCACAGT  
GACTCTGATGACCAAATGTTAGTAGCAAAGCGCAGGCCGTCATCAAACCTAAATAATAATGTTTCGAGGG  
AAAAGACCTCTATGGCATGAGTCTGATTTTGTGTGGACAATGTTGGGAATAGAAGTCTGCGCAGGAGG  
AGAAAGGTAAAACGCATGGCAGTAGATCTCCACAGGACATCTCTAACAAACGGACAATGACCCAGCCA  
CCTGAGGGTTGTAGAGATCAGGACATGGACAGTGATAGAGCCTACCAGTATCAAGAATTTACCAAGAAC  
AAAGTCAAAAAAAGAAAGTTGAAAATAATCAGACAAGGACCAAAATCCAAGATGAAGGAGTAGTTTTA  
GAAAGTGAGGAAACGAACCAAGCAATAAGGACAAAATGGAATGTGAAGAGCAAAAGTCTCAGATGAG  
CTCATGAGTGAAAGTGATTCCAGCAGTCTCAGCAGCACTGATGCTGGATTGTTTACCAATGATGAGGGA  
AGACAAGGTGATGATGAACAGAGTGACTGGTTCTACGAAAAGGAATCAGGTGGAGCATGTGGTATCACT  
GGAGTTGTGCCCTGGTGGGAAAAGGAAGATCCTACTGAGCTAGACAAAATGTACCAGATCCTGTCTTT  
GAAAGTATCTTAACTGGTTCTTTTCCCTTATGTACACCCAAGCAGAAGAGGTTTCCAAGCTAGACTC  
AGTCGCCCTTCATGGAATGTCTTCAAGAATATTAATAAATCTGGAGGGACTCCAACCTCAATGGCTACA  
AACTGGACCAAGTGAGATTTCCCTATAA  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI



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|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>                  | NM_001297754                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Insert Size:</b>           | 1131 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="#">NM_001297754.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 3273 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq ORF:</b>            | 1131 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Locus ID:</b>              | 55105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID:</b>            | <u><a href="#">Q9NW75</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cytogenetics:</b>          | 1q41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>MW:</b>                    | 42.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Summary:</b>          | <p>The gene encodes a nuclear factor that may play a role in spermatogenesis and in tumor growth during breast cancer. The encoded protein contains a G-patch domain with an RNA binding motif. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]</p> <p>Transcript Variant: This variant (2) has multiple differences in the 3' coding region and differs in the 3' UTR, compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.</p> |