

Product datasheet for **SC310295**

GPATCH2 (NM_018040) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPATCH2 (NM_018040) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPATCH2
Synonyms:	CT110; GPATC2; Pfa1; PPP1R30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_018040 edited
 GTTAATGTTTCGGGGCCGCCGGGCGCCAACCGATCGGAGCTCCAGCAGCCGGGAACAGCTG
 GCATTTTCAGTAGAACCATGGAGGAGCTGGTTCATGACCTTGTCTCAGCATTGGAAGAGAG
 CTCAGAGCAAGCTCGAGGTGGATTTGCTGAAACAGGAGACCATTCTCGAAGTATATCTTG
 CCCTCTGAAACGCCAGGCAAGGAAAAGGAGAGGGAGAAAACGGAGGTCGTATAATGTGCA
 TCACCCGTGGGAGACTGGTCACTGCTTAAGTGAAGGCTCTGATTCTAGTTTAGAAGAACC
 AAGCAAGGACTATAGAGAGAATCACAATAATAATAAAAAAGATCACAGTGACTCTGATGA
 CCAAATGTTAGTAGCAAAGCGCAGGCCGTCATCAAACCTTAAATAATAATGTTTCGAGGGAA
 AAGACCTCTATGGCATGAGTCTGATTTTCTGTGGACAATGTTGGGAATAGAAGTCTGCG
 CAGGAGGAGAAAAGGTAACGCATGGCAGTAGATCTCCACAGGACATCTCTAACAAACG
 GACAATGACCCAGCCACCTGAGGGTTGTAGAGATCAGGACATGGACAGTGATAGAGCCTA
 CCAGTATCAAGAATTTACCAAGAACAAGTCAAAAAAGAAAGTTGAAAAATATCAGACA
 AGGACCAAAAATCCAAGATGAAGGAGTAGTTTTAGAAAGTGAGGAAACGAACCAGACCAA
 TAAGGACAAAATGGAATGTGAAGAGCAAAAAGTCTCAGATGAGCTCATGAGTGAAAGTGA
 TTCCAGCAGTCTCAGCAGCACTGATGCTGGATTGTTTACCAATGATGAGGGAAGACAAGG
 TGATGATGAACAGAGTGACTGGTCTACGAAAAGGAATCAGGTGGAGCATGTGGTATCAC
 TGGAGTTGTGCCCTGGTGGGAAAAGGAAGATCCTACTGAGCTAGACAAAATGTACCAGA
 TCCTGTCTTTGAAAGTATCTTAAGTGGTCTTTTCCCCTTATGTCACACCAAGCAGAAG
 AGGTTTCCAAGCTAGACTCAGTCGCCTTCATGGAATGTCTTCAAAGAATATTAATAATC
 TGGAGGGACTCCAACCTCAATGGTACCCATTCTGGCCAGTGGGTAAACAAGAGAATGGT
 TCATTTTTCCCAGATTCTCATCACCATGACCATTTGGTTTAGCCCTGGGGCTAGGACAGA
 GCATGACCAGCATCAGCTTCTGAGAGATAATCGAGCTGAAAGAGGACACAAGAAAAATTG
 TTCTGTGAGAACAGCCAGCAGGCAACAAGCATGCATTTAGGATCCTTATGCACGGGAGA
 TATCAAACGGAGAAGAAAAGCTGCACCTTTGCCCTGGACCTACTACTGCAGGATTTGTAGG
 TGAATATGCCAGCCAATCCTAGAAAATAATATTGAAACCGAATGCTTCAGAATATGGG
 CTGGACGCTGGGTGAGCCTTGGACGAGATGGCAAGGGGATCTCTGAGCCAATTCAAGC
 CATGCAGAGGCCAAAGGGATTAGGACTTGGATTTCCTCTACCAAAAAGTACTTCCGCAAC
 TACTACCCCAATGCAGGAAAATCCGCCTAA

Restriction Sites: Please inquire

ACCN: NM_018040

Insert Size: 1700 bp

OTI Disclaimer: 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_018040.1.

Components: 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).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_018040.1, NP_060510.1</u>
RefSeq Size:	2338 bp
RefSeq ORF:	1587 bp
Locus ID:	55105
UniProt ID:	<u>Q9NW75</u>
Cytogenetics:	1q41
Domains:	G-patch
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).