

# Product datasheet for TP303010M

## GPATCH3 (NM\_022078) Human Recombinant Protein

### **Product data:**

#### **Product Type: Recombinant Proteins Description:** Recombinant protein of human G patch domain containing 3 (GPATCH3), 100 µg Species: Human HEK293T **Expression Host:** Expression cDNA Clone >RC203010 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s) MAVPGEAEEEATVYLVVSGIPSVLRSAHLRSYFSQFREERGGGFLCFHYRHRPERAPPQAAPNSALIPTD PAAEGQLLSQTSATDVRPLSTRDSTPIQTRTCCCVISVRGLAQAQRLIRMYSGRRWLDSHGTWLPGRCLI RRLRLPTEASGLGSFPFKTRKELQSWKAENEAFTLADLKQLPELNPPVLMPRGNVGTPLRVFLELIRACR LPPRIITQLQLQFPKTGSSRRYGNVPFEYEDSETVEQEELVYTAEGEEIPQGTYLADIPASPCGEPEEEV GKEEEEESHSDEDDDRGEEWERHEALHEDVTGQERTTEQLFEEEIELKWEKGGSGLVFYTDAQFWQEEEG DFDEQTADDWDVDMSVYYDRDGGDKDARDSVQMRLEQRLRDGQEDGSVIERQVGTFERHTKGIGRKV MER QGWAEGQGLGCRCSGVPEALDSDGQHPRCKRGLGYHGEKLQPFGQLKRPRRNGLGLISTIYDEPLPQDQ Т ESLLRRQPPTSMKFRTDMAFVRGSSCASDSPSLPD **TRTRPLEQKLISEEDLAANDILDYKDDDDKV** C-Myc/DDK Tag: Predicted MW: 59.2 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining **Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol Recombinant protein was captured through anti-DDK affinity column followed by **Preparation:** conventional chromatography steps. Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Storage: Store at -80°C.



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### OriGene Technologies, Inc.

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	GPATCH3 (NM_022078) Human Recombinant Protein – TP303010M
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP 071361</u>
Locus ID:	63906
UniProt ID:	<u>Q96I76</u>
RefSeq Size:	2145
Cytogenetics:	1p36.11
RefSeq ORF:	1575
Synonyms:	GPATC3
Summary:	Involved in transcriptional regulation. It is able to activate transcription from the CXCR4 promoter and therefore it might control neural crest cell migration involved in ocular and craniofacial development (PubMed:28397860). Is a negative regulator of immune antiviral response, acting via down-regulation of RIG-I-like receptors signaling and inhibition of type I interferon production. The control mechanism involves interaction with mitochondrial MAVS and inhibition of MAVS assembly with downstream proteins implicated in antiviral response, such as TBK1 and TRAF6 (PubMed:28414768).[UniProtKB/Swiss-Prot Function]

## **Product images:**

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Coomassie blue staining of purified GPATCH3 protein (Cat# [TP303010]). The protein was produced from HEK293T cells transfected with GPATCH3 cDNA clone (Cat# [RC203010]) using MegaTran 2.0 (Cat# [TT210002]).

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