

## Product datasheet for **TP303010**

### GPATCH3 (NM\_022078) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human G patch domain containing 3 (GPATCH3), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC203010 protein sequence

**Clone or AA** **Red**=Cloning site **Green**=Tags(s)

**Sequence:**

MAVPGEAEEEEATVYLVVSGIPSVLRSALHRSYFSQFREERGGGFLCFHYRHRPERAPPQAAPNSALIPTD  
PAAEQQLLSQTSATDVRPLSTRDSTPIQTRTCCCVISVRGLAQAQRLIRMYSGRRWLD SHGTWLPGRCLI  
RRLRLPTEASGLGSFPFKTRKELQSWKAENEAFTLADLKQLPELNPPVLMPRGNVGTPLRVFLELIRACR  
LPPRIITQLQLQFPKTGSSRRYGNVPFEYEDSETVEQEELVYTAEGEEIPQGTYLADIPASPCGEPEEEV  
GKEEEEEESHSEDDDRGEEWERHEALHEDVTGQERTTEQLFEEIEELKWEKGGSGLVFYTDAQFWQEEEG  
DFDEQTADDWDVDMSVYYDRDGGDKDARDSVQMRLEQRLRDGQEDG SVIERQVGTFERHTKGIGRKVMER  
QGWAEQGQLGCRCSGVPEALDSGQHPRCKRGLGYHGEKLPFGQLKRPRRNLGLISTIYDEPLPQDQT  
ESLLRRQPPTSMKFRTDMAFVRGSSCASDSPSLPD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**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

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by 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.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online >](#)

RefSeq: [NP\\_071361](#)

Locus ID: 63906

UniProt ID: [Q96I76](#)

RefSeq Size: 2145

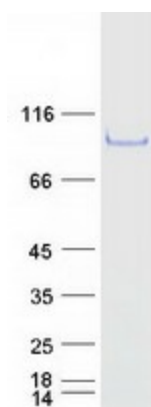
Cytogenetics: 1p36.11

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:



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]).