

Product datasheet for **MC217523**

Gpatch3 (NM_172876) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpatch3 (NM_172876) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpatch3
Synonyms:	D930035B09Rik; Gpatc3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217523 representing NM_172876
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCGCCAGGGAGCTGGACGAAGAGTCGCCGGTTACCTGGTGGTGAGCGGGATCCCTGCCGTGT
 TACGCTCGGCTCAGTTACGGAGCTACTTTAGCCAGTTCGGGAACAGCGCGGCGGAGGCTTCTGTGCTT
 CCACTACCGGCACCGGCCGAGAGGGGCCCTCCGAGGGCAGTCCCGAGGCGGCCCGGGCTGGCCCGGAC
 CCCGCCGTGAGGATCCGGTTCTCGCCAGGCTCCGGCCTCCGATGCCCGCGCTGTCCGCGCCCGGGCT
 CTGCGGCAGCCAGACCCGCACCTGCTGCTGCGTCTCGGTGAGGGGAGCGGCCAAGCCAGCGGCT
 GCTTCGCATGACTCCGGTCGCCGGTGGCTGGACTCTCAGGGGACCTGGTTCCCGGTGCTGTCTCATC
 CGCAGGCTTAGGCTTCCACCGAGGTTTACAGTCTGGGGTCTTTCCCTTAAGACCCGGAAGGAAGTAC
 AGAGTCGAAGGGCGGAGAATGAAGCTTTTACCCTGGCTGACCTGAAGCAGCTCCCGAGCTGAATCCGCC
 AGTGTGATGCCAATGGCAATGTGGCACCCCTGCGGGTCTTTTTAGAGTTGATCCGGTCTGCCGT
 CTACCACCTAGAATCATTACCCAGCTACAGCTCCAGTTTCCCAAGACCGGCTCCTCCCGCGCTATGGCA
 ACGTGCCTTTTCTGTATGAGGACTCAGAGACTGTGGAGCAAGAAGAGCACGTGTACACAGCAGAAGGGGA
 GGAGATCCCCAGGGGAGCTGCTCGGAAGATCCAGCAGCTGGCTCCTTTGATGAGCCGGAGGATGAAGGG
 CAGCAGCAGGAGGAGGAGGAGTCTGGCTCAGAAGAGGACGATGACCGGGGTGAGGAGTGGGAGCGAC
 ACGAAGCTCTGCACGAGGATGTGACCGGGCAGGAGCGGACTACAGAGCGGCTCTTCGAGGAGGAGATTGA
 ACTTAAGTGGGAGAAAGGTGGCTCTGGCCTCGTGTCTACACCGACGCTCAGTTCTGGCAGGAGGAGGAA
 GGAGATTTTGTGAGCAGACAGCTGACTGGGACGTGGACATGAGCGTCTACTACGACAGAGATGGAG
 GAGACAAGGATGCCCGTGACTCTGTCAAATGCCCTGGAACGGAGACTCCGTGAGGGTCAGGAAGATGG
 CTCTGTGCTAGGTGGCCAAGTCGGCACCTTTGAGCGCCACACCAAGGGCATCGGCCGGAAGGTGATGGAG
 CGCCAGGGCTGGGCTGAAGGCCAGGGCCTGGGCAGCAGGTGCTCCGGGGTGCCTGAGGCCCTGGATGGAG
 ATGGCCAGCATCCTAGATGCAAGCGCGGCTTGGGATACCATGGAGAGAAGTTACAGCCATTTAGGCAACT
 GAAGAGGCCCGTCGAACTGGCTTGGGGCTCATTTCCACCATCTATGATGAGCCTCTGCCCAAGACCAG
 GGGGAGACCTTGCTCCGGCGCCAGCCACCACCAGCATGAAGTTTCGGACAGATGACTTTTGTGAAGG
 GTTCTAGCTGTGCCTTGGACAGACCTGAGCCCGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172876

Insert Size: 1578 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).

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: [NM_172876.2](#), [NP_766464.1](#)

RefSeq Size: 2003 bp

RefSeq ORF: 1578 bp

Locus ID: 242691

UniProt ID: [Q8BIY1](#)

Cytogenetics: 4 D2.3

Gene Summary: Involved in transcriptional regulation. It is able to activate transcription from CXCR4 promoter and therefore it might control neural crest cell migration involved in ocular and craniofacial development. 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.[UniProtKB/Swiss-Prot Function]