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Product datasheet for PH303010

GPATCH3 (NM_022078) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GPATCH3 MS Standard C13 and N15-labeled recombinant protein (NP_071361)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203010
Predicted MW:	59.3 kDa
Protein Sequence:	>RC203010 protein sequence Red=Cloning site Green=Tags(s) MAVPGEAEEEATVYLVVSGIPSVLRSAHLRSYFSQFREERGGGFLCFHYRHRPERAPPQAAPNSALIPTD PAAEGQLLSQTSATDVRPLSTRDSTPIQTRTCCCVISVRGLAQAQRLIRMYSGRRWLDSHGTWLPGRCLI RRLRLPTEASGLGSFPFKTRKELQSWKAENEAFTLADLKQLPELNPPVLMPRGNVGTPLRVFLELIRACR LPPRIITQLQLQFPKTGSSRRYGNVPFEYEDSETVEQEELVYTAEGEEIPQGTYLADIPASPCGEPEEEV GKEEEEESHSDEDDDRGEEWERHEALHEDVTGQERTTEQLFEEEIELKWEKGGSGLVFYTDAQFWQEEEG DFDEQTADDWDVDMSVYYDRDGGDKDARDSVQMRLEQRLRDGQEDGSVIERQVGTFERHTKGIGRKVMER QGWAEGQGLGCRCSGVPEALDSDGQHPRCKRGLGYHGEKLQPFGQLKRPRRNGLGLISTIYDEPLPQDQT ESLLRRQPPTSMKFRTDMAFVRGSSCASDSPSLPD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_071361
RefSeq Size:	2145
RefSeq ORF:	1575

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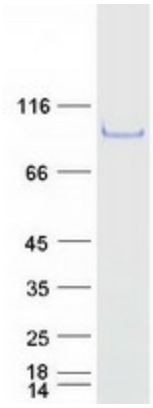
Synonyms:	GPATC3
Locus ID:	63906
UniProt ID:	Q96I76
Cytogenetics:	1p36.11
Summary:	Involved in transcriptional regulation. It is able to activate transcription from the CXCR4 promoter and therefore it might control neural crest cell migration involved in ocular and craniofacial development (PubMed:28397860). 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]).