

Product datasheet for **TP300063**

IMPA2 (NM_014214) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human inositol(myo)-1(or 4)-monophosphatase 2 (IMPA2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200063 protein sequence Red =Cloning site Green =Tags(s)
	 MKPSGEDQAALAAGPWEECFQAAVQLALRAGQIIRKALTEEKRVSTKTSAADLVTTETDHLVEDLIISLR ERFPSHRFIAEEAAAASGAKCVLTHSPTWIIDPIDGTCNFVHRFPTVAVSIGFAVRQELEFGVIYHCTEER LYTGRRRGRGAFRCNGQRLRVSGETDLSKALVLTIGPKRDPATLKLFLSNMERLLHAKAHGVRVIGSSTLA LCHLASGAADAYYQFGLHCWDLAAATVIIREAGGIVIDTSGGPLDLMACRVVAASTREMAMLIAQALQTI NYGRDDEK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	31.1 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.
RefSeq:	NP_055029
Locus ID:	3613



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UniProt ID: [O14732](#)

RefSeq Size: 1537

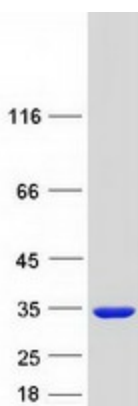
Cytogenetics: 18p11.21

RefSeq ORF: 864

Summary: This locus encodes an inositol monophosphatase. The encoded protein catalyzes the dephosphorylation of inositol monophosphate and plays an important role in phosphatidylinositol signaling. This locus may be associated with susceptibility to bipolar disorder. [provided by RefSeq, Jan 2011]

Protein Pathways: Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:



Coomassie blue staining of purified IMPA2 protein (Cat# TP300063). The protein was produced from HEK293T cells transfected with IMPA2 cDNA clone (Cat# [RC200063]) using MegaTran 2.0 (Cat# [TT210002]).