OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP727771

Bpnt2 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Inositol Monophosphatase 3/IMPAD1/IMP3/IMPA3 (N-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Glu51-His356
Tag:	N-His
Buffer:	Supplied as a 0.2 um filtered solution of 50mM Tris-HCl,150mM NaCl ,10% Glycerol,pH 7.5 .
Note:	Recombinant Mouse Inositol Monophosphatase 3 is produced by our Mammalian expression system and the target gene encoding Glu51-His356 is expressed with a 6His tag at the N-terminus.
Stability:	12 months from date of despatch
Locus ID:	242291
UniProt ID:	Q80V26
Summary:	IMPAD1 protein (IMPA3, gPAPP or IMPase 3) belongs to the inositol monophosphatase family. It is found in Purkinje cells, brain stem, lung and chondrocytes. Mouse IMPAD1 gene encodes a type II transmembrane Golgi-embedded glycoprotein with 356 amino acid residues which generates a 306 amino acid residues mature protein after processing. It is expressed in embryo, and in theory may catalyze myo-inositol monophosphate to myo-inositol. Free myo-inositol is used to generate inositol phospholipid, an essential component of intracellular signaling pathways that mobilize calcium. Mouse IMPAD1 exhibits 91% sequence identity with the human homologue.

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