Recombinant Mouse Pym1 Protein, Myc/DDK-tagged

Cat. No. Pym1-5274M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length PYM homolog 1, exon junction complex associated factor (Pym1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Key regulator of the exon junction complex (EJC), a multiprotein complex that associates immediately upstream of the exon-exon junction on mRNAs and serves as a positional landmark for the intron exon structure of genes and directs post-transcriptional processes in the cytoplasm such as mRNA export, nonsense-mediated mRNA decay (NMD) or translation. Acts as an EJC disassembly factor, allowing translation-dependent EJC removal and recycling by disrupting mature EJC from spliced mRNAs. Its association with the 40S ribosomal subunit probably prevents a translation-independent disassembly of the EJC from spliced mRNAs, by restricting its activity to mRNAs that have been translated. Interferes with NMD and enhances translation of spliced mRNAs, probably by antagonizing EJC functions.
Molecular Mass	22.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Pym1 PYM homolog 1, exon junction complex associated factor [Mus musculus (house mouse)]
Official Symbol	Pym1
Synonyms	Pym1; PYM homolog 1, exon junction complex associated factor; Py; Pym; Wib; Wibg; A030010B05Rik; partner of Y14 and mago; protein wibg homolog; within bgcn homolog
Gene ID	78428
mRNA Refseq	NM_001170869
Protein Refseq	NP_001164340
UniProt ID	Q8CHP5

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