

## Product datasheet for TP502089

### Pym1 (NM\_001170869) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse PYM homolog 1, exon junction complex associated factor (Pym1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202089 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MATPYVTDETGGKYIASTQRPDGTWRKQRRVKEGYVPQEEVPVYENKYVKFFKSKPELPPGLSPEATTPV TPSRPEGGETGLSKTAKRNLKRKEKRRQQEKEAEALSRTLDKVSLGDTAQIPALQGPQATPLAASDPS DSAATTEKAKKIKNLRKLRQVEELQQRIQAGEVSQPSREQLEKLARRRVLEEELEDLELGL
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	22.7 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
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 after receiving vials.
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:	<u><a href="#">NP_001164340</a></u>
Locus ID:	78428
UniProt ID:	<u><a href="#">Q8CHP5</a></u>
RefSeq Size:	1165
Cytogenetics:	10 D3



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RefSeq ORF: 609

Synonyms: A030010B05Rik; Pym; Wibg

**Summary:** 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 (By similarity). [UniProtKB/Swiss-Prot Function]