

Recombinant Human PYM1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PYM1-3360H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WIBG MS Standard C13 and N15-labeled recombinant protein (NP_115721) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
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
AA Sequence	MEAAGSPAATETGKYIASTQRPDGTWRKQRRVKEGYVPQEEVPVYENKYVKFFKS KPELPPGLSPEATAPVTPSRPEGGEPLSKTAKRNLKRKEKRRQQQEKGEAEALSR TLDKVSLEETAQLPSAPQGSRAAPTAASDQPDSAATTEKAKKIKNLKKKLRQVEELQ

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	QRIQAGEVSQPSKEQLEKLARRRALEEELEDLELGLTRTRPLEQKLISEEDLAANDIL DYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

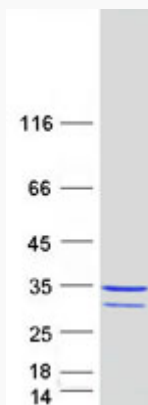
GENE INFORMATION

Gene Name	PYM1 PYM homolog 1, exon junction complex associated factor [Homo sapiens (human)]
Official Symbol	PYM1
Synonyms	PYM1; PYM homolog 1, exon junction complex associated factor; PYM; WIBG; partner of Y14 and mago; protein wibg homolog; within bgcn homolog
Gene ID	84305
mRNA Refseq	NM_032345
Protein Refseq	NP_115721
UniProt ID	Q9BRP8

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SDS-PAGE

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