

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

Cat. No. PYM1-1645H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WIBG MS Standard C13 and N15-labeled recombinant protein (NP_001137325) 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. May bind RNA.
Molecular Mass	22.5 kDa
AA Sequence	MATPYVTDETGGKYIASTQRPDGTWRKQRRVKEGYVPQEEVPVYENKYVKFFKSK PELPPGLSPEATAPVTPSRPEGGEPLSKTAKRNLKRKEKRRQQQEKGEAEALSRT

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LDKVSLEETAQLPSAPQGSRAAPTAASDQPD SAATTEKAKKIKNLKKKLRQVEELQQ
RIQAGEVSQPSKEQLEKLARRRALEEELEDLELGLTRTRPLEQKLISEEDLAANDILD
YKDDDDKV

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_001143853

Protein Refseq NP_001137325

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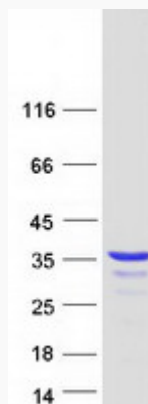
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UniProt ID

Q9BRP8

SDS-PAGE

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