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Product datasheet for TP720529M

WIBG (PYM1) (NM_001143853) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human within bgcn homolog (Drosophila) (WIBG), transcript variant 2
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Leu204
Tag:	C-His
Predicted MW:	23.7 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 100mM NaCl, 10% Glycerol, pH 8.0.
Endotoxin:	< 0.1 EU per μg protein as determined by LAL test
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001137325
Locus ID:	84305
UniProt ID:	Q9BRP8
Cytogenetics:	12q13.2
Synonyms:	PYM; WIBG

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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. May bind RNA; the relevance of RNA-binding remains unclear in vivo, RNA-binding was detected by PubMed:14968132, while PubMed:19410547 did not detect RNA-binding activity independently of the EJC.[UniProtKB/Swiss-Prot Function]

Product images: