



Recombinant Protein Technical Manual  
Recombinant Human PYM1/WIBG Protein (His Tag)  
RPES1258

### Product Data:

**Product SKU:** RPES1258

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q9BRP8

### Protein Information:

**Molecular Mass:** 23.7 kDa

**AP Molecular Mass:** 16-30 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 10% Glycerol, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Partner of Y14 and Mago; Protein Wibg Homolog; WIBG; PYM

## Immunogen Information:

**Sequence:** Met 1-Leu204

## Background:

Partner of Y14 and Mago (WIBG) is a key regulator of the Exon Junction Complex (EJC). EJC is a multiprotein complex that associates immediately upstream of the exon-exon junction on mRNAs, is a positional landmark for the intron exon structure of genes, and directs post-transcriptional processes in the cytoplasm, for instance mRNA export, nonsense-mediated mRNA decay or translation. WIBG is a cytoplasmic RNA-binding protein, it can be excluded from nucleus by Crm1. WIBG as a cooperating partner of Mago4, relates with Mago4 by its N-terminal domain.