

Recombinant human WIBG protein

Catalog Number: ATGP0635

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-204aa

UniProt No.

Q9BRP8

NCBI Accession No.

NP_115721.2

Alternative Names

Partner of Y14 and mago, PYM, Partner of Y14 and mago

PRODUCT SPECIFICATION

Molecular Weight

23.7 kDa (212aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.1M NaCl ,0.1mM PMSF

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

WIBG has been identified as an interacting partner of Mago-Y14. The Mago-Y14 heterodimer is a core component of the EJC (exon junction complex) that is deposited on mRNAs as a consequence of splicing and influences postsplicing mRNA metabolism. This protein is a cytoplasmic RNA-binding protein that is excluded from the nucleus by Crm1. It interacts directly with Mago-Y14 by means of its N-terminal domain. Recombinant human WIBG protein, fused to His-tag at C-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MEAAGSPAAT ETGKYIASTQ RPDGTWRKQR RVKEGYVPQE EVPVYENKYV KFFKSKPELP PGLSPEATAP VTPSRPEGGE
PGLSKTAKRN LKRKEKRRQQ QEKGEAEALS RTLDKVSLEE TAQLPSAPQG SRAAPTAASD QPDSAATTEK AKKIKNLKKK
LRQVEELQQR IQAGEVSQPS KEQLEKLARR RALEEELEDL ELGL<LEHHHH HH>

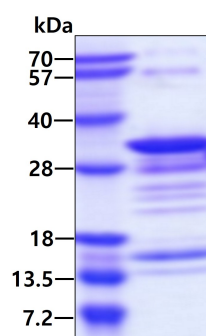
General References

Bono F., et al. (2004) EMBO Rep. 5(3):304-10.

Gehring NH, et al. (2009) Cell. 137(3):536-48.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.