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Recombinant human WIBG protein

Catalog Number: ATGP0635

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-204aa

UniProt No.

O9BRP8

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

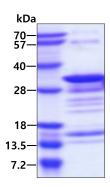
MEAAGSPAAT ETGKYIASTQ RPDGTWRKQR RVKEGYVPQE EVPVYENKYV KFFKSKPELP PGLSPEATAP VTPSRPEGGE PGLSKTAKRN LKRKEKRRQQ QEKGEAEALS RTLDKVSLEE TAQLPSAPQG SRAAPTAASD QPDSAATTEK AKKIKNLKKK LRQVEELQQR IQAGEVSQPS KEQLEKLARR RALEEELEDL ELGL<LEHHHH HH>

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.

