

Recombinant human BIN2 protein

Catalog Number: ATGP3671

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

1-597aa

UniProt No.

Q9UBW5

NCBI Accession No.

NP_057377

Alternative Names

Bridging integrator 2 isoform1, BIN2, BRAP-1

PRODUCT SPECIFICATION

Molecular Weight

66.1 kDa (606aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT, 0.1mM PMSF.

Purity

> 80% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

BIN2, also known as bridging integrator 2 isoform1, is a cytoplasmic protein. It contains one BAR domain and interacts with BIN1. This protein is highly expressed in some hematopoietic tissues, including peripheral blood, thymus, colon and placenta. It Promotes cell motility and migration, probably via its interaction with the cell membrane and with podosome proteins that mediate interaction with the cytoskeleton and also modulates

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membrane curvature and mediates membrane tubulation. Recombinant human BIN2 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPMRGMPGA RTSSSGASEN HRARGQGGGP QGVGRMAEGK AGGAAGLFAK QVQKKFSRAQ EKV LQKLGKA
VETKDERFEQ SASNFYQQA EGHKLYKDLK NFLSAVKVMH ESSKR VSETL QEIYSSEWDG HEELKAIVWN NDLLWEDYEE
KLADQAVRTM EIYVAQFSEI KERIAKRGRK LVDYDSARHH LEAVQNAKKK DEAKTAKAEE EFNKAQTVFE DLNQELLEEL
PILYNSRIGC YVTIFQNISN LRDV FYREMS KLNHNLYEVM SKLEKQHSNK VFVVKGLSSS SRRSLVISPP VRTATVSSPL
TSPTSPSTLS LKSESESVSA TEDLAPDAAQ GEDNSEIKEL LEEEEIEKEG SEASSSEEDE PLPACNGPAQ AQPSP TTERA
KSQEEVLPSS TTPSPGGALS PSGQPSSSAT EVVLRTRTAS EGSEQPKKRA SIQRTSAPPS RPPPPRATAS PRPSSGNIPS
SPTASGGGSP TSPRASLGTG TASPRTSLEV SPNPEPPEKP VRTPEAKENE NIHNQNPEEL CTSPTLMTSQ VASEPGEAKK
MEDKEKDNKL ISANSSEGQD QLQVSMVPEN NNLTAPEPQE EVSTSEN PQL HHHHHH

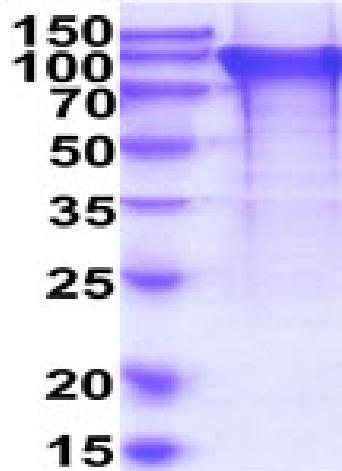
General References

Sanchez-Barrena MJ., et al, (2012) PLoS One. 7:e52401.

Hao Y., et al, (2016) Proc Natl Acad Sci U S A. 113:10418-10423.

DATA

SDS-PAGE

(kDa)

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

15% SDS-PAGE (3ug)