

Recombinant human BIN1 protein

Catalog Number: ATGP0673

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-439aa

UniProt No.

Q9BTH3

NCBI Accession No.

AAH04101.1

Alternative Names

Myc box-dependent-interacting protein 1, AMPH2, AMPHL, MGC10367, SH3P9, Amphiphysin II, Myc box-dependent-interacting protein 1

PRODUCT SPECIFICATION

Molecular Weight

50.4 kDa (459aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

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

BIN1, also known as SH3P9, is a nucleocytoplasmic adaptor protein, one of which was initially identified as MYC-interacting protein with features of a tumor suppressor. This protein interacts with and inhibits the oncogenic activity of the myc oncoprotein that has a major role in many human cancers. The loss of Bin1 may contribute to growth deregulation in cancer cells in carcinoma of the breast, colon, lung, cervix, prostate and liver.

Recombinant human BIN1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using

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conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MAEMGSKGVT AGKIASNVQK KLTRAQEKVL QKLGKADETK DEQFEQCVQN
FNKQLTEGTR LQKDLRTYLA SVKAMHEASK KLINECLQEVY EPDWPGRDEA NKIAENNDLL WMDYHQKLVD QALLTMDTYL
GQFPDIKSRI AKRGRKLVDY DSARHHYESL QTAKKKDEAK IAKAEEELIK AQKVFEEMNV DLQEELPSLW NSRVGFYVNT
FQSIAGLEEN FHKEMSKLNQ NLNDVLVGLE KQHGSNTFTV KAQPSDNAPA KGNKSPSPD GSPAATPEIR VNHEPEPAGG
ATPGATLPKS PSQPAEASEV AGGTQPAAGA QEPGETAASE AASSSLPAVV VETFPATVNG TVEGGSGAGR LDLPPGFMFK
VQAQHDYTAT DTDELQLRAG DVVLVIPFQN PEEQDEGWLM GVKESDWNQH KELEKCRGVF PENFTERVP

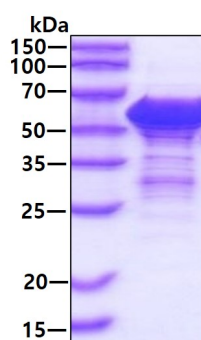
General References

Sakamuro D., et al. (1996) Nat Genet. 14(1):69-77.

Nanda SK., et al. (2006) Gastroenterology. 130(3):794-809.

DATA

SDS-PAGE



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