

Recombinant human G3BP2 protein

Catalog Number: ATGP1344

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-449aa

UniProt No.

Q9UN86

NCBI Accession No.

NP_987100.1

Alternative Names

Ras GTPase-activating protein-binding protein 2, G3BP-2, GAP SH3 domain-binding protein 2, KIAA0660, GTPase activating protein (SH3 domain) binding protein 2, G3BP stress granule assembly factor 2

PRODUCT SPECIFICATION

Molecular Weight

53.3 kDa (473aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.2M NaCl, 2mM DTT, 0.1mM PMSF

Purity

> 90% 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

G3BP2, also known as ras GTPase-activating protein-binding protein 2, is localized to the plasma membrane and endocytic compartments and controls a fast endocytic recycling pathway. This protein probably is scaffold protein that may be involved in mRNA transport. Recombinant human G3BP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Recombinant human G3BP2 protein

Catalog Number: ATGP1344

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSHT>MVMEKP SPLLVGREFV RQYYTLLNKA PEYLHRFYGR NSSYVHGGVD
ASGKPQEAIV GQNDIHHKVL SLNFSECHTK IRHVDAHATL SDGVVVQVMG LLSNSGQPER KFMQTFVLAP EGSVPNKFYV
HNDMFRYEDE VFGDSEPELD EESEDEVEEEE QEERQPSPEP VQENANSQY EAHPVTNGIE EPLEESSHEP EPEPESETKT
EELKPQVEEK NLEELEEKST TPPPAEPVSL PQEPPKPRVE AKPEVQSQPP RVREQRPRER PGFPFRGPRP GRGDMEQNDS
DNRRIRYPD SHQLFVGNLP HDIDENELKE FFMSFGNVVE LRINTKGVGG KLPNFGFVVF DDSEPVQRIL IAKPIMFRGE
VRLNVEEKKT RAARERETRG GGDDRRDIRR NDRGPGGPRG IVGGGMMRDR DGRGPPPRGG MAQKLGSGRG
TGQMEGRFTG QRR

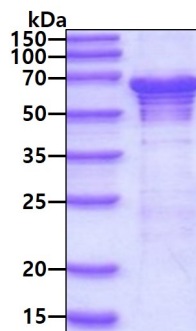
General References

Prigent M., et al. (2000) J Biol Chem. 275: 36441-36449.

Wu C. et al. (2007) Proteomics 7: 1775-1785.

DATA

SDS-PAGE



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