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## Recombinant human G3BP2 protein

Catalog Number: ATGP1344

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-449aa

#### **UniProt No.**

**09UN86** 

#### **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.



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## **Amino acid Sequence**

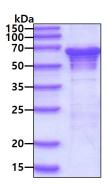
<MGSSHHHHHH SSGLVPRGSH MGSH>MVMEKP SPLLVGREFV RQYYTLLNKA PEYLHRFYGR NSSYVHGGVD ASGKPQEAVY GQNDIHHKVL SLNFSECHTK IRHVDAHATL SDGVVVQVMG LLSNSGQPER KFMQTFVLAP EGSVPNKFYV HNDMFRYEDE VFGDSEPELD EESEDEVEEE QEERQPSPEP VQENANSGYY EAHPVTNGIE EPLEESSHEP EPEPESETKT EELKPQVEEK NLEELEEKST TPPPAEPVSL PQEPPKPRVE AKPEVQSQPP RVREQRPRER PGFPPRGPRP GRGDMEQNDS DNRRIIRYPD 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

