

Recombinant Human GTPase Activating Protein (SH3 Domain) Binding Protein 2, His-tagged

Cat. No. G3BP2-4826H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human G3BP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	G3BP2, also known as rasGTPase-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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.2M NaCl, 2mM DTT, 0.1mM PMSF.
Molecular Weight	53.3 kDa (473aa)
Purity	>90% by SDS-PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSHMVMKEP SPLLVGREFV RQYYTLLNKA PEYLHRFYGR NSSYVHGGVD ASGKPQEAVY GQNDIHHKVLSLNFSECHTK IRHVDAHATL SDGVVVQVMG LLSNSGQPER KFMQTFVLAP EGSVPNKFYV

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HNDMFRYEDE VFGDSEPELD EESEDEVEEEQEERQPSPEP VQENANSYY
 EAHPTVNGIE EPLEESSHEP EPEPESETKT EELKPQVEEK NLEELEEKST
 TPPPAEPVSL PQEPPKPRVEAKPEVQSQPP RVREQRP RER PGFPPRGPRP
 GRGDMEQND S DNRRIIRYPD SHQLFVGNLP HDIDENELKE FFMSFGNVVE
 LRINTKGVGGKLPNFGFVVF DDSEPVQRIL IAKPIMFRGE VRLNVEEKKT
 RAARERETRG GGDDRRDIRR NDRGPGGPRG IVGGGMMRDR
 DGRGPPPRGGMAQKLGSGRG TGQMEGRFTG QRR

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Rho GTPase cycle; Signaling by Rho GTPases; TNF-alpha/NF-kB Signaling Pathway

GENE INFORMATION
Gene Name

G3BP2 GTPase activating protein (SH3 domain) binding protein 2 [Homo sapiens]

Official Symbol

G3BP2

Synonyms

G3BP2; GTPase activating protein (SH3 domain) binding protein 2; rasGTPase-activating protein-binding protein 2; OTTHUMP00000160586;
 OTTHUMP00000160587; OTTHUMP00000160588; GAP SH3 domain-binding protein 2; G3BP-2; Ras-GTPase activating protein SH3 domain-binding protein 2; OTTHUMP00000219241; KIAA0660

Gene ID

9908

mRNA Refseq

NM_012297

Protein Refseq

NP_036429

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UniProt ID	Q9UN86
Chromosome Location	4q21.1
Function	RNA binding; nucleotide binding; receptor signaling complex scaffold activity

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