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**Product Data Sheet**


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Product Name: G3BP2 Human  
 Cat. No.: GP21646  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ras GTPase-activating protein-binding protein 2; G3BP-2; GAP SH3 domain-binding protein 2; G3BP2; KIAA0660.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMVMKEP SPLLVGREFV RQYYTLLNKA PEYLHRFYGR NSSYVHGGVD ASGKPQEAVY GQNDIHHKVL SLNFSECHTK IRHVDAHATL SDGVVVQVMG LLSNSGQPER KFMQTFVLAP EGSVPNKFYV HNDMFRYEDE VFGDSEPELD EESEDEVEEE QEERQPSPEP VQENANSYY EAHPVTNGIE EPLEESSHEP EPEPESETKT EELKPQVEEK NLEELEEKST TPPPAEPVSL PQEPPKPRVE AKPEVQSQPP RVREQRPRER PGFPPRGPRP GRGDMEQNS DNRRIRYPD SHQLFVGNLP HDIDENELKE FFMSFGNVVE LRINTKGVGG KLPNFGFVVF DDSEPVQRIL IAKPIMFRGE VRLNVEEKKT RAARERETRG GGDDRRDIRR NDRGPGGPRG IVGGGMMRDR DGRGPPPRGG MAQKLGSGRG TGQMEGRFTG QRR.		
Formulation	The G3BP2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.2M NaCl, 2mM DTT and 0.1mM PMSF.		

**Introduction**

Ras GTPase-activating protein-binding protein 2 (G3BP2) is restricted to the plasma membrane and endocytic compartments and controls a fast endocytic recycling pathway. G3BP2 may be a scaffold protein which might be involved in mRNA transport.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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G3BP2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 473 amino acids (1-449) and having a molecular mass of 53.3kDa. G3BP2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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