

GTPase Activating Protein (SH3 domain) Binding Protein 1 Human Re-

Item Number	rAP-1369
Synonyms	Ras GTPase-activating protein-binding protein 1, G3BP-1, ATP-dependent DNA helicase VIII, hDH VIII, GAP SH3 domain-binding protein 1, G3BP1, G3BP, HDH-VIII, MGC111040.
Description	G3BP1 Human Recombinant fused with an 8 amino acid His tag at C-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 474 amino acids (1-466 a.a.) and having a molecular mass of 53.2kDa. The G3BP1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q13283
Amino Acid Sequence	MVMEKPSPLL VGREFVRQYY TLLNQAPDML HRFYGNSSY VHGGLDNGK PADAVYGQKE IH-RKVM SQNF TNCHTKIRHV DAHATLNDGV VVQVMGLLSN NNQALRRFMQ TFVLAPEGSV ANKFYVHN-DI FRYQDEVFGG FVTEPQEESE EEEVEPEERQ QTPEVVPDDS GTFYDQAVVS NDMEEHLEEP VAEPEPDPEP EPEQEPVSEI QEEKPEPVLE ETAPEDAQKS SSPAPADIAQ TVQEDLRTFS WASVTSKNLP PSGAVPVTGI PPHVVKVPAS QRPESKPES QIPPQRPQRD QRVREQRINI PPQRGPRPIR EAGEQGDIEP RRMVRHPDSH QLFIGNLPHE VDKSELKDFE QSYGNVVELR INSGGKLPNF GFVVFFDDSEP VQKVLNRPV MFRGEVRLNV EEKTRAARE GDRRDNRRLRG PGGPRG-GLGG GMRGPPRGGM VQKPGFGVGR GLAPRQVEHH HHHH.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The G3BP1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 100mM NaCl. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**