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32-2338: G3BP1 Recombinant Protein

Alternative Name : 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

Source : Escherichia Coli. 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. G3BP1 belongs to the heterogeneous nuclear RNA-binding proteins and is also an element of the Ras signal transduction pathway. G3BP1 is one of the DNA-unwinding enzymes that favors partially unwound 3'-tailed substrates and is also able to unwind partial RNA/DNA and RNA/RNA duplexes in an ATP-dependent fashion. G3BP1 binds specifically to the Ras-GTPase-activating protein by associating with its SH3 domain. In addition, G3BP1 cleaves exclusively between cytosine and adenine and cleaves MYC mRNA preferentially at the 3'-UTR.

Product Info

Amount :	10 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The G3BP1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 100mM NaCl.
Storage condition :	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.
Amino Acid :	MVMEKPSPLL VGREFVRQYY TLLNQAPDML HRFYGKNSSY VHGGLDSNGK PADAVYGQKE IHRKVMSQNF TNCHTKIRHV DAHATLNDGV VVQVMGLLSN NNQALRRFMQ TFVLAPEGSV ANKFYVHNDI FRYQDEVFGG FVTEPQEESE EEVEEPEERQ QTPEVVPDDS GTFYDQAVVS NDMEEHLEEP VAEPEPDPEP EPEQEPVSEI QEEKPEPVLE ETAPEDAQKS SSPAPADIAQ TVQEDLRTFS WASVTSKNLP PSGAVPVTGI PPHVVKVPAS QPRPESKPES QIPPQRPQRD QRVREQRINI PPQRGPRPIR EAGEQGDIEP RRMVRHPDSH QLFIGNLPHE VDKSELKDFF QSYGNVVELR INSGGKLPNF GFVVFDDSEP VQKVLSNRPI MFRGEVRLNV EEKKTRAARE GDRRDNRLRG PGGPRGGLGG GMRGPPRGGM VQKPGFGVGR GLAPRQVEHH HHHH.