



# Recombinant Human Ras GTPase-activating protein-binding protein 1 (G3BP1)

<b>Product Code</b>	CSB-EP613389HU-B
<b>Abbreviation</b>	G3BP1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q13283
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	VMEKPSPLL VGREFVRQYY TLLNQAPDML HRFYGKNSSY VHGG LDSNGK PADAVYGQKE IHRKVM SQNF TNCHTKIRHV DAHATLNDGV VVQVMGLLSN NNQALRRFMQ TFVLAPEGSV ANKFYVHNDI FRYQDEVFVG FVTEPQEESE EEVEEPEERQ QTPEVVPDDS GTFYDQAVVS NDMEEHLEEP VAEPEPDPEP EPEQEPVSEI QEEKPEPVLE ETAPEDAQKS SSPAPADIAQ TVQEDLRTFS WASVTSKNLP PSGAVPVTGI PPHVVKVPAS QRPESKPES QIPPQRQRD QRVREQRINI PPQRGPRPIR EAGEQGDIEP RRMVRHPDSH QLFIGNLPHE VDKSELKDFQ QSYGNVVELR INSGGKLPNF GFVVFDDSEP VQKVLSNRPI MFRGEVRLNV EEKTRAARE GDRRDNRRLRG PGGPRGGLGG GMRGPPRGGM VQKPGFGVGR GLAPRQ
<b>Source</b>	E.coli
<b>Target Names</b>	G3BP1
<b>Protein Names</b>	Recommended name: Ras GTPase-activating protein-binding protein 1 Short name= G3BP-1 EC= 3.6.4.12 EC= 3.6.4.13 Alternative name(s): ATP-dependent DNA helicase VIII Short name= hDH VIII GAP SH3 domain-binding protein
<b>Expression Region</b>	2-466
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes one of the DNA-unwinding enzymes which prefers partially unwound 3 -tailed substrates and can also unwind partial RNA/DNA and RNA/RNA duplexes in an ATP-dependent fashion. This enzyme is a member of the heterogeneous nuclear RNA-binding proteins and is also an element of the Ras signal transduction pathway. It binds specifically to the Ras-GTPase-activating protein by associating with its SH3 domain. Several alternatively



spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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