

## Product datasheet for AR09781PU-L

#### OriGene Technologies, Inc.

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## G3BP1 / G3BP (1-466, His-tag) Human Protein

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** G3BP1 / G3BP (1-466, His-tag) human recombinant protein, 0.25 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

IHRKVMSQNF TNCHTKIRHV DAHATLNDGV VVQVMGLLSN NNQALRRFMQ TFVLAPEGSV ANKFYVHNDI FRYQDEVFGG FVTEPQEESE EEVEEPEERQ QTPEVVPDDS GTFYDQAVVS NDMEEHLEEP VAEPEPDPEP EPEQEPVSEI QEEKPEPVLE ETAPEDAQKS SSPAPADIAQ TVQEDI RTES WASVTSKNI P PSGAVPVTGI PPHVVKVPAS OPRPESKPES QIPPORPORD

MVMEKPSPLL VGREFVRQYY TLLNQAPDML HRFYGKNSSY VHGGLDSNGK PADAVYGQKE

TVQEDLRTFS WASVTSKNLP PSGAVPVTGI PPHVVKVPAS QPRPESKPES QIPPQRPQRD QRVREQRINI PPQRGPRPIR EAGEQGDIEP RRMVRHPDSH QLFIGNLPHE VDKSELKDFF QSYGNVVELR INSGGKLPNF GFVVFDDSEP VQKVLSNRPI MFRGEVRLNV EEKKTRAARE GDRRDNRLRG PGGPRGGLGG GMRGPPRGGM VQKPGFGVGR GLAPRQVEHH HHHH

Tag: His-tag

Predicted MW: 53.2 kDa

Concentration: lot specific

**Purity:** >85%

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2 mM DTT, 100 mM

NaCl

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human G3BP1 protein, fused to His-tag at C-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 005745

**Locus ID:** 10146



### G3BP1 / G3BP (1-466, His-tag) Human Protein - AR09781PU-L

UniProt ID: <u>Q13283</u>, <u>Q5U0Q1</u>, <u>Q6ZP53</u>

**Cytogenetics:** 5q33.1

Synonyms: G3BP; HDH-VIII

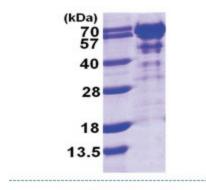
Summary: This gene encodes one of the DNA-unwinding enzymes which prefers partially unwound 3'-

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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

# **Product images:**



15% SDS-PAGE (3ug)