

Recombinant Human G3BP1 293 Cell Lysate

Cat. No. G3BP1-6085HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for GTPase activating protein (SH3 domain) binding protein 1 (G3BP1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

G3BP1 GTPase activating protein (SH3 domain) binding protein 1 [Homo sapiens]

Official Symbol

G3BP1

Synonyms

G3BP1; GTPase activating protein (SH3 domain) binding protein 1; ras GTPase-activating protein-binding protein 1; G3BP; HDH VIII; Ras GTPase activating protein SH3 domain binding protein; G3BP-1; GAP binding protein; ATP-dependent DNA helicase VIII; GAP SH3 domain-binding protein 1; RasGAP-associated endoribonuclease G3BP; Ras-GTPase-activating protein SH3-domain-binding protein; HDH-VIII; MGC111040;

Gene ID

10146

mRNA Refseq

NM_005754

Protein Refseq

NP_005745

MIM

608431

UniProt ID

Q13283

Chromosome Location

5q33.1

Function

ATP binding; ATP-dependent DNA helicase activity; ATP-dependent RNA helicase

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activity; DNA binding; RNA binding; endonuclease activity; helicase activity; hydrolase activity; nucleotide binding; protein binding;

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