

GRB2 recombinant protein

GRB2, 1-217aa, Human, His tag, E Coli

CATALOG # AAA48525	HOST E Coli	APPLICATIONS SDS-Page
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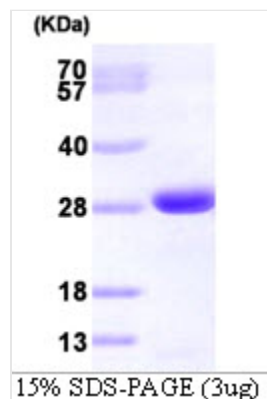
PRODUCT SYNONYMS

GRB2; 1-217aa; Human; His tag; E Coli; Growth factor receptor-bound protein 2 isoform 1; ASH; EGFRBP-GRB2; GRB3-3; Growth factor receptor-bound protein 2 isoform 1 Abundant SRC homology; Adapter protein GRB2; Ash protein; EGFRBP GRB2; Epidermal growth factor receptor binding protein; Epidermal growth factor receptor binding protein GRB2; GRB 2; GRB2 adapter protein; Grb3 3; Growth factor receptor bound protein 2; Growth factor receptor bound protein 3; HT027; MST084; MSTP084; OTTHuMP00000166096; OTTHuMP00000166097; OTTHuMP00000166098; Protein ASH; SEM5; SH2/SH3 adapter GRB2.; GRB2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	In 20mM Tris-HCl (pH 8.0) buffer containing 30% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MEAIKYDFK ATADDELSFK RGDILKVLNE ECDQNWYKAE LNGKDGFIK NYIEMKPHPW FFGKIPRAKA EEMLSKQRHD GAFLIRESES APGDFSLSVK FGNDVQHFKV LRDGAGKYFL WVVKFNSLNE LVDYHRSTSV SRNQIQLRD IEQVPQQPTY VQALDFDPPQ EDGELGFRRG DFIHVMDNSD PNWWKGACHG QTGMFPRNYV TPVNRNV
Sequence Length	217
Applicable Applications for GRB2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for GRB2 recombinant protein	Growth factor receptor-bound protein 2 also known as Grb2 is an adaptor protein that provides a critical link between cell surface growth factor receptors and the Ras signaling pathway. GRB2 is widely expressed and also binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Grb2 is composed of an SH2 domain flanked on each side by an SH3 domain. Inhibition of Grb2 function impairs developmental processes in various organisms and blocks transformation and proliferation of various cell types. Recombinant human GRB2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for GRB2 recombinant protein	Signal Transduction
References	Rudd CE., et al. (2009) Immunol Rev. 229 (1):12-26.; Weisswange I., et al. (2009) Nature. 458 (7234):87-91.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504111
NCBI GeneID	2885
NCBI Accession #	NP_002077
NCBI GenBank Nucleotide #	NM_002086.4
UniProt Accession #	P62993; P29354; Q14450; Q63057; Q63059
Molecular Weight	27 kDa (237 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	growth factor receptor-bound protein 2 isoform 1
NCBI Official Synonym Full Names	growth factor receptor bound protein 2
NCBI Official Symbol	GRB2
NCBI Official Synonym Symbols	ASH; Grb3-3; MST084; NCKAP2; MSTP084; EGFRBP-GRB2
NCBI Protein Information	growth factor receptor-bound protein 2
UniProt Protein Name	Growth factor receptor-bound protein 2
UniProt Gene Name	GRB2
UniProt Synonym Gene Names	ASH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.