

Recombinant Human GRB2 protein, T7/His-tagged

Cat. No. GRB2-127H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GRB2 cDNA (2 – 217 aa) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-217 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGGQMGRGRGHHHHHHENLYFQGGSEAIKYDFKATADDELSFKRGDILKVL NEECDQNWYKAELNGKDGI PKNYIEMKPHPWFFGKIPRAKAEEMLSKQRHDGAF LIRESESAPGDFSLSVKFGNDVQHFVLRDVGAGKYFLWV KFNSLNELVDYHRSTS VSRNQQIFLRDIEQVPQQPTYVQALFDFDPQEDGELGFRRGDFIHVMDNSDPNWW KGAC HGQTGMFPRNYVTPVNRNV
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro protein mediated Wnt / b-catenin pathway regulation study in tumor cell transformation or ES cell differentiation with this protein as either coating matrix protein or soluble factor.2. May be used for GRB2 protein-protein interaction assay.3. Enzymatic substrate for various proteases.4. As antigen for specific antibody production.

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Storage

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION
Gene Name

GRB2 growth factor receptor-bound protein 2 [Homo sapiens]

Official Symbol

GRB2

Synonyms

GRB2; growth factor receptor-bound protein 2; NCKAP2; HT027; protein Ash; SH2/SH3 adapter GRB2; abundant SRC homology; growth factor receptor-bound protein 3; epidermal growth factor receptor-binding protein GRB2; ASH; Grb3-3; MST084; MSTP084; EGFRBP-GRB2;

Gene ID

2885

mRNA Refseq

NM_002086

Protein Refseq

NP_002077

MIM

108355

UniProt ID

P62993

**Chromosome
Location**

17q24-q25

Pathway

Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Antigen Activates B

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Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; Axon guidance, organism-specific biosystem;

Function

SH3/SH2 adaptor activity; ephrin receptor binding; epidermal growth factor receptor binding; insulin receptor substrate binding; neurotrophin TRKA receptor binding; phosphoprotein binding; phosphotyrosine binding; protein binding; protein domain specific

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