Recombinant Human Growth Factor Receptor-Bound Protein 7, GST-tagged

Cat. No. GRB7-4848H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human GRB7 was expressed by E.coli using an N-terminal GST tag.
Species	Human
Source	E.coli
Description	GRB7 or growth factor receptor-bound protein 7 belongs to a small family of adapter proteins which interact with a number of receptor tyrosine kinases and signaling molecules. GRB7 encodes a growth factor receptor-binding protein that interacts with epidermal growth factor receptor (EGFR) and ephrin receptors. GRB7 is highly expressed in liver and kidney. GRB7 isoforms are involved in cell invasion and metastatic progression of human esophageal carcinomas.
Applications	Western Blot
Molecular Weight	91 kDa
Expression System	E. coli
Form	Recombinant protein stored in 50 mM Tris-HCl, PH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Purity	>90%

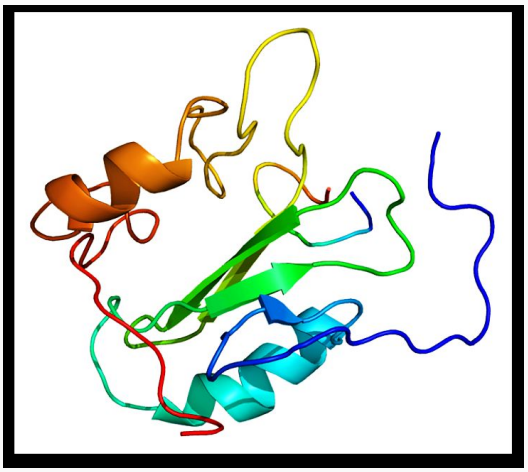
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Concentration	0.2 ug/ul
Sequences	Full length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	Angiopoietin receptor Tie2-mediated signaling; Cell surface interactions at the vascular wall; Down-stream signal transduction; EGFR1 Signaling Pathway; EPHB forward signaling; Hemostasis; Kit Receptor Signaling Pathway; PDGFR-beta signaling pathway; Signaling by PDGF; Signaling events mediated by focal adhesion kinase; Signaling events regulated by Ret tyrosine kinase; Tie2 Signaling

GENE INFORMATION

Gene Name	GRB7 growth factor receptor-bound protein 7 [Homo sapiens]
Official Symbol	GRB7
Synonyms	GRB7; growth factor receptor-bound protein 7; growth factor receptor-bound protein 7; B47; OTTHUMP00000164349; OTTHUMP00000164350; OTTHUMP00000164351; OTTHUMP00000164352; GRB7 adapter protein; epidermal growth factor receptor GRB-7
Gene ID	2886
mRNA Refseq	NM_001030002
Protein Refseq	NP_001025173

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MIM	601522
UniProt ID	Q14451
Chromosome Location	17q12
Function	RNA binding; SH3/SH2 adaptor activity; lipid binding; phosphatidylinositol binding; protein binding; protein kinase binding
PDBrendering based on 1mw4.	

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