

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human GRB7 was expressed by E.coli using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Applications</b>	Western Blot
<b>Molecular Weight</b>	91 kDa
<b>Expression System</b>	E. coli
<b>Form</b>	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.
<b>Purity</b>	>90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Concentration</b>	0.2 ug/ul
<b>Sequences</b>	Full length
<b>Storage</b>	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.
<b>Pathways</b>	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
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">GRB7 growth factor receptor-bound protein 7 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">GRB7</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">2886</a>
<b>mRNA Refseq</b>	<a href="#">NM_001030002</a>
<b>Protein Refseq</b>	<a href="#">NP_001025173</a>

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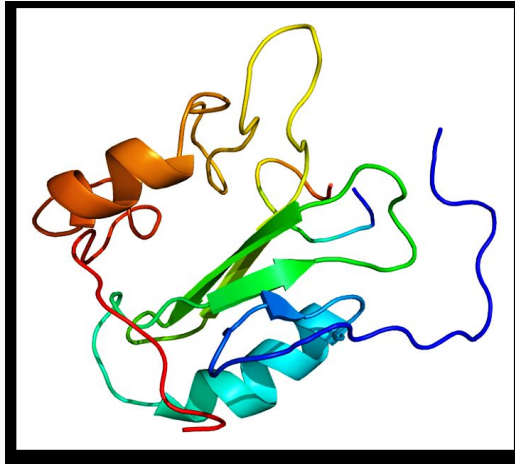
**MIM** 601522

**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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