

Recombinant Human GRB7

Cat. No. GRB7-27926TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GRB7 with N terminal proprietary tag; Predicted MW 84.59 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	532 amino acids
Description	The product of this gene belongs to a small family of adapter proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with epidermal growth factor receptor (EGFR) and ephrin receptors. The protein plays a role in the integrin signaling pathway and cell migration by binding with focal adhesion kinase (FAK). Several transcript variants encoding two different isoforms have been found for this gene.
Molecular Weight	84.590kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MELDLSPPHLSSSPEDLCPAPGTPPGTPRPPDTPLPEEVK RSQPLLIPTTGRKLREE ERRATSLPSIPNPFPELCSPPSQ SPILGGPSSARGLLPRDASRPHVVKVYSEDGAC RSVEVAA GATARHVCEMLVQRAHALSDETWGLVECHPHLALERGLD HESVVEV QAAWPVGGDSRFVFRKNFAKYELFKSSPHSLFP EKMVSSCLDAHTGISHEDLIQNF LNAGSFPEIQGFLQLRG SGRKLWKRFFCFLRRSGLYYSTKGTSKDPRHLQYVADV N E SNVYVVTQGRKLYGMPTDFGFCVKPNKLRNGHKGLRIFCS EDEQSRTCWLA AFR LFKYGVQLYKNYQQAQSRHLHPSCLG SPPLRSASDNTLVAMDFSGHAGRV IENPR EALSVALEEAQ AWRKKTNHRLSLPMPASGTSLSAAIHRTQLWFHGRIS REE SQRLI GQQGLVDGLFLVRESQRNPQGFVLSLCHLQVKVHY LILPSEEEGR LYFSMDDGQT RFTDLLQLVEFHQLNRGILP CLLRHCCTRVAL
Sequence Similarities	Belongs to the GRB7/10/14 family.Contains 1 PH domain.Contains 1 Ras-associating domain.Contains 1 SH2 domain.

GENE INFORMATION

Gene Name	GRB7 growth factor receptor-bound protein 7 [Homo sapiens]
Official Symbol	GRB7
Synonyms	GRB7; growth factor receptor-bound protein 7;
Gene ID	2886
mRNA Refseq	NM_001030002
Protein Refseq	NP_001025173

MIM	601522
Uniprot ID	Q14451
Chromosome Location	17q12
Pathway	Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; EPHB forward signaling, organism-specific biosystem;
Function	RNA binding; SH3/SH2 adaptor activity; identical protein binding; lipid binding; phosphatidylinositol binding;

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