

Recombinant Human GRB7 Protein (Ser66-Thr327), His tagged

Cat. No. GRB7-2649H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human GRB7 (Ser66-Thr327) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser66-Thr327
Description	Adapter protein that interacts with the cytoplasmic domain of numerous receptor kinases and modulates down-stream signaling. Promotes activation of down-stream protein kinases, including STAT3, AKT1, MAPK1 and/or MAPK3. Promotes activation of HRAS. Plays a role in signal transduction in response to EGF. Plays a role in the regulation of cell proliferation and cell migration. Plays a role in the assembly and stability of RNA stress granules. Binds to the 5'UTR of target mRNA molecules and represses translation of target mRNA species, when not phosphorylated. Phosphorylation impairs RNA binding and promotes stress granule disassembly during recovery after cellular stress
Molecular Mass	30.77 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	GRB7 growth factor receptor-bound protein 7 [Homo sapiens (human)]
Official Symbol	GRB7
Synonyms	GRB7; growth factor receptor-bound protein 7; B47; GRB7 adapter protein; epidermal growth factor receptor GRB-7;
Gene ID	2886
mRNA Refseq	NM_001030002
Protein Refseq	NP_001025173
MIM	601522
UniProt ID	Q14451

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