

Recombinant Mouse Grb7 Protein, MYC/DDK-tagged

Cat. No. Grb7-1055M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse growth factor receptor bound protein 7 (Grb7), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
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 (By similarity). 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	60 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 g/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Grb7 growth factor receptor bound protein 7 [Mus musculus (house mouse)]

Official Symbol Grb7

Synonyms

Grb7; growth factor receptor bound protein 7; mKIAA4028; growth factor receptor-bound protein 7; GRB7 adapter protein; Growth factor receptor-bound protein 7 (GRB7 adapter protein) (Epidermal growth factor receptor GRB-7); epidermal growth factor receptor GRB-7

Gene ID 14786

mRNA Refseq NM_010346

Protein Refseq NP_034476

UniProt ID Q03160

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