

Recombinant Mouse Grb14 Protein, Myc/DDK-tagged

Cat. No. Grb14-3303M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length growth factor receptor bound protein 14 (Grb14), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Adapter protein which modulates coupling of cell surface receptor kinases with specific signaling pathways. Binds to, and suppresses signals from, the activated insulin receptor (INSR). Potent inhibitor of insulin-stimulated MAPK3 phosphorylation. Plays a critical role regulating PDPK1 membrane translocation in response to insulin stimulation and serves as an adapter protein to recruit PDPK1 to activated insulin receptor, thus promoting PKB/AKT1 phosphorylation and transduction of the insulin signal.
Molecular Mass	60.6 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Grb14 growth factor receptor bound protein 14 [Mus musculus (house mouse)]

Official Symbol Grb14

Synonyms GRB14; growth factor receptor bound protein 14; growth factor receptor-bound protein 14; GRB14 adapter protein; AI505286

Gene ID 50915

mRNA Refseq NM_016719

Protein Refseq NP_057928

UniProt ID Q9JLM9

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