

Recombinant Mouse Gkap1 Protein, Myc/DDK-tagged

Cat. No. Gkap1-3221M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length G kinase anchoring protein 1 (Gkap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Regulates insulin-dependent IRS1 tyrosine phosphorylation in adipocytes by modulating the availability of IRS1 to IR tyrosine kinase. Its association with IRS1 is required for insulin-induced translocation of SLC2A4 to the cell membrane. Involved in TNF-induced impairment of insulin-dependent IRS1 tyrosine phosphorylation.
Molecular Mass	42.2 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Gkap1 G kinase anchoring protein 1 [Mus musculus (house mouse)]
Official Symbol	Gkap1
Synonyms	GKAP1; G kinase anchoring protein 1; G kinase-anchoring protein 1; cGMP-dependent protein kinase anchoring protein; 42 kD cGMP-dependent protein kinase anchoring protein; cGMP-dependent protein kinase-anchoring protein of 42 kDa; 42kDa; Gkap42; D13Ertd340e; 4933400B15Rik
Gene ID	56278
mRNA Refseq	NM_019832
Protein Refseq	NP_062806
UniProt ID	Q9JMB0

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