

Recombinant Mouse Grk6 Protein, Myc/DDK-tagged

Cat. No. Grk6-3312M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length G protein-coupled receptor kinase 6 (Grk6), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Specifically phosphorylates the activated forms of G protein-coupled receptors. Such receptor phosphorylation initiates beta-arrestin-mediated receptor desensitization, internalization, and signaling events leading to their desensitization. Seems to be involved in the desensitization of D2-like dopamine receptors in striatum and chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis. Phosphorylates rhodopsin (RHO) (in vitro) and a non G-protein-coupled receptor, LRP6 during Wnt signaling (in vitro).
Molecular Mass	67.1 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	Grk6 G protein-coupled receptor kinase 6 [Mus musculus (house mouse)]
Official Symbol	Grk6
Synonyms	GRK6; G protein-coupled receptor kinase 6; g protein-coupled receptor kinase GRK6; Gprk6
Gene ID	26385
mRNA Refseq	NM_001112711
Protein Refseq	NP_001106182
UniProt ID	O70293

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