Recombinant Mouse Gskip Protein, Myc/DDK-tagged

Cat. No. Gskip-3319M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length GSK3B interacting protein (Gskip), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	A-kinase anchoring protein for GSK3B and PKA that regulates or facilitates their kinase activity towards their targets. The ternary complex enhances Wnt-induced signaling by facilitating the GSK3B- and PKA-induced phosphorylation of beta-catenin leading to beta-catenin degradation and stabilization respectively. Upon cAMP activation, the ternary complex contributes to neuroprotection against oxidative stress-induced apoptosis by facilitating the PKA-induced phosphorylation of DML1 and PKA-induced inactivation of GSK3B. During neurite outgrowth promotes neuron proliferation; while increases beta-catenin-induced transcriptional activity through GSK3B kinase activity inhibition, reduces N-cadherin level to promote cell cycle progression. May play a role in cleft palate formation and is required for postnatal life through modulation of the activity of GSK3B during development.
Molecular Mass	16.2 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.

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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.

GENE INFORMATION

Gene Name	Gskip GSK3B interacting protein [Mus musculus (house mouse)]
Official Symbol	Gskip
Synonyms	Gskip; GSK3B interacting protein; 4933433P14Rik; GSK3B-interacting protein; GSK3-beta interaction protein
Gene ID	66787
mRNA Refseq	NM_178613
Protein Refseq	NP_848728
UniProt ID	Q8BGR8

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