

Recombinant Mouse Stk16 Protein, Myc/DDK-tagged

Cat. No. Stk16-6182M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length serine/threonine kinase 16 (Stk16), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Membrane-associated protein kinase that phosphorylates on serine and threonine residues. In vitro substrates include DRG1, ENO1 and EIF4EBP1. Also autophosphorylates. May be involved in secretory vesicle trafficking or intracellular signaling. May have a role in regulating stromal-epithelial interactions that occur during ductal morphogenesis in the mammary gland. May be involved in TGF-beta signaling. Able to autophosphorylate on Tyr residue; it is however unclear whether it has tyrosine-protein kinase toward other proteins.
Molecular Mass	34.4 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 [Stk16 serine/threonine kinase 16 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Stk16](#)

Synonyms

STK16; serine/threonine kinase 16; serine/threonine-protein kinase 16; MPSK; TSF-1; protein kinase Krc; protein kinase PKL12; TGF-beta-stimulated factor 1; embryo-derived protein kinase; tyrosine-protein kinase STK16; kinase related to cerevisiae and thaliana; myristoylated and palmitoylated serine/threonine-protein kinase; EDPK; Krc; PKL12

Gene ID [20872](#)

mRNA Refseq [NM_011494](#)

Protein Refseq [NP_035624](#)

UniProt ID [O88697](#)

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