

## Recombinant Mouse Stk16 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length serine/threonine kinase 16 (Stk16), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	34.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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 Krct; 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; Krct; PKL12

**Gene ID** [20872](#)

**mRNA Refseq** [NM\\_011494](#)

**Protein Refseq** [NP\\_035624](#)

**UniProt ID** [O88697](#)

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