

## Product datasheet for **TP504293**

### Stk16 (NM\_011494) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Purified recombinant protein of Mouse serine/threonine kinase 16 (Stk16), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR204293 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MGHALCVCSRGTVIIDNKRYLFVQKLGEGGFSYVDLVEGLHDGHFYALKRILCHEQQDQEEAQREAEMHR  
LFQHPNILRLMAYSLKERGAKHEAWLLLPPFFKKGTLWNEIERLKDQGSFLTEDQILPLLLGISRGLEAIH  
AKGYAHRDLKPTNILLGDEGQPVLMDLGSMNQACIQVEGSRQALALQDWAAQRCTISYRAPELFSVQSHC  
VIDERTDVWSLGCPLYAMMFEGEPYDMVFQKGD SVALAVQNELSIPQSPRHSSALRQLLSSMMTVDPQQR  
PHIPVLLSQLEALQPPAPGQHTTQI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 34.4 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C after receiving vials.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_035624](#)

**Locus ID:** 20872

**UniProt ID:** [O88697](#), [Q8BSV9](#)



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RefSeq Size: 2885

Cytogenetics: 1 C4

RefSeq ORF: 918

Synonyms: EDPK; Krct; MPSK; PKL12; TSF-1

**Summary:** Membrane-associated protein kinase that phosphorylates on serine and threonine residues. In vitro substrates include DRG1, ENO1 and EIF4EBP1. Also autophosphorylates (By similarity). 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. [UniProtKB/Swiss-Prot Function]