

## Product datasheet for MR204293

### Stk16 (NM\_011494) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stk16 (NM_011494) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stk16
Synonyms:	EDPK; Krct; MPSK; PKL12; TSF-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204293 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGGCCACGCACTGTGTCTGCTCCCGGGAAGTGTGATCATTGACAATAAGCGTTACCTCTTCGTC  
AGAAATTGGGGGAAGGTGGATTCAGCTATGTGGACCTAGTGGAGGGCTTGCATGATGGACACTTCTACGC  
CCTGAAGCGGATCCTGTGCCATGAGCAGCAAGACCAGGAAGAAGCCCAACGAGAGGCAGAGATGCATCGC  
CTCTCCAGCATCCCAACATCCTTCGCCTCATGGCTTACTCTGAAAGAACGAGGTGCTAAGCATGAAG  
CCTGGCTGCTGTCCTTCTTCAAGAAAGGTACTGTGGAATGAGATAGAAAGGCTGAAGGACCAAGG  
CAGCTTCTGACTGAAGACCAGATCCTGCGCTGTTGCTGGGTATCAGCAGAGGCCTTGAGGCTATTCAT  
GCCAAAGTTATGCACACAGGGACCTGAAGCCCAATATTTTCTGTTGATGAGGGGACCCAGTTT  
TAATGGACTTGGTTCTATGAATCAAGCATGCATTCAAGTGGAGGGCTCTCGCCAGGCACTAGCTCTTCA  
GGACTGGGAGCTCAGCGGTGCACCATCTCTACCGGGCACCTGAACTTTTTCTGTGCAAAGCCACTGT  
GTCATCGATGAGCGGACTGATGTCTGGTCCCTAGGCTGTGTGCTTATGCCATGATGTTGGGGAAGGCC  
CTTACGATATGGTGTCCAGAAGGGTGACAGTGTGCCCTTGCTGTGCAGAATGAACTCAGCATCCACA  
AAGCCCCAGGCATTCTTCAGCATTGCGACAGCTATTGTCTTCTATGATGACTGTGGACCCCCAGCAGAGG  
CTCACATCCCTGCTCCTCAGTCAGTTGGAGGCATTGCAGCCACCAGCTCTGGCCAGCACACCACCC  
AAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_011494.5](#), [NP\\_035624.3](#)

**RefSeq Size:** 2885 bp

**RefSeq ORF:** 918 bp

**Locus ID:** 20872

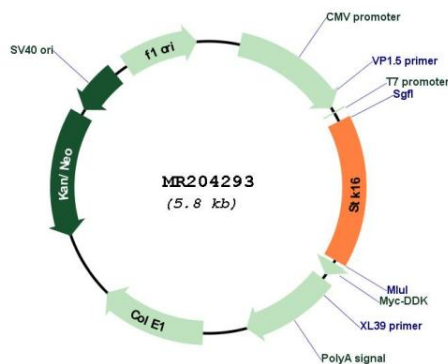
**UniProt ID:** [O88697](#)

**Cytogenetics:** 1 C4

**MW:** 34.4 kDa

**Gene 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]

## Product images:



Circular map for MR204293