

Product datasheet for **MC226918**

Stk16 (NM_001277992) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stk16 (NM_001277992) Mouse Untagged Clone
Tag: Tag Free
Symbol: Stk16
Synonyms: EDPK; Krct; MPSK; PKL12; TSF-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226918 representing NM_001277992
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGGGCCACGCACTGTGTCTGCTCCCGGGAAGTGTGATCATTGACAATAAGCGTTACCTCTTCGTCC
AGAAATGGGGGAAGGTGGATTCAGCTATGTGGACCTAGTGGAGGCTTGCATGATGGACTTCTACGC
CCTGAAGCGGATCCTGTGCCATGAGCAGCAAGACCAGGAAGAAGCCCAACGAGAGGCAGAGATGCATCGC
CTCTCCAGCATCCCAACATCCTTCGCCTCATGGCTTACTCTCTGAAAGAACGAGGTGCTAAGCATGAAG
CCTGGCTGCTGCTGCCCTTCTTCAAGAAAGGTACTGTGGAATGAGATAGAAAGGCTGAAGGACCAAGG
CAGCTTCTGACTGAAGACCAGATCCTGCCGCTGTTGCTGGGTATCAGCAGAGGCCTTGAGGCTATTCAT
GCCAAAGGTTATGCACACAGGGACCTGAAGCCCAACAATTTTGGCTGGTGATGAGGGGAGCCAGTTT
TAATGGACTTGGGTTCTATGAATCAAGCATGCATTCAAGTGGAGGCTCTGCCAGGCACTAGCTCTTCA
GGACTGGGAGCTCAGCGGTGCACCATCTCCTACCGGGCACCTGAACTTTTTCTGTGCAAAGCCACTGT
GTCATCGATGAGCGGACTGATGTCTGGTCCCTAGGCTGTGTCTTATGCCATGATGTTTGGGAAGGCC
CTTACGATATGGTGTCCAGAAGGGTGACAGTGTGGCCCTGCTGTGCAAGTGAAGTCAAGTCAAGTCAAGT
AAGCCCCAGGCATTCTCAGCATTGCGACAGCTATTGTCTTCTATGATGACTGTGGACCCAGCAGAGG
CCTCACATCCCTGTCTCCTCAGTCAGTTGGAGGCATTGCAGCCACCAGCTCCTGGCCAGCACACCACC
AAATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001277992
Insert Size: 918 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">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_001277992.1 , NP_001264921.1
RefSeq Size:	2857 bp
RefSeq ORF:	918 bp
Locus ID:	20872
UniProt ID:	O88697
Cytogenetics:	1 C4
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein.</p>