

Product datasheet for **MC222869**

Stk10 (NM_009288) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk10 (NM_009288) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stk10
Synonyms:	Gek1; L; Lok; mKIAA4026
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222869 representing NM_009288
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTTTCGCCAATTTCCGCCGATCTTGCGGTTATCCACCTTCGAGAAGAGAAAGTCCCGTGAATATG
 AGCACGTCGCCCGGACCTGGACCCCAACGATGTATGGGAGATCGTGGCGAGCTGGGAGACGGCGCCTT
 CGGCAAAGTCTACAAGGCCAAAAACAAGGAGACCGGTGCCCTGGCAGCAGCCAAAGTCATAGAGACCAAG
 AGCGAGGAGGAGCTGGAGGACTACATCGTGGAGATAGAGATCCTGGCCACCTGTGACCACCCGTATATCG
 TGAAGCTCCTGGGGCCTATTACTATGATGGGAAGCTCTGGATCATGATTGAGTTCTGCCCTGGGGGAGC
 TGTGGATGCCATCATGCTGGAGCTGGATCGAGGCCTCACTGAGCCCAGATTAGGTCGTATGCCGCCAG
 ATGTTGGAGGCTCTCAACTTCTGCACGGCAAGAGGATCATCCACCGAGACCTGAAAGCTGGCAACGTGC
 TTATGACCCTTGAGGGGACATCAGGCTGGCTGATTTTGGTGTGTCTGCCAAGAATCTGAAAACCTGCA
 AAAGCGAGACTCCTTCATAGGGACCTTACTGGATGGCCCTGAGGTGGTGTGTGTGAAACCATGAAG
 GACGCCCCCTATGACTACAAGGCTGACATCTGGTCCTTGGGCATCACGCTGATCGAGATGGCGCAGATCG
 AGCCCCACACCAGAGCTCAACCCCATGCGGGTCTGTCAAGATTGCCAAGTCGGACCCCTCTACCCCT
 GCTTACACCCCTCAAGTGGTCTGTGGAGTTCGAGACTTCTGAAGATAGCCTTGGATAAGAACCAGAA
 ACCCGGCCAGTGTGCACAGCTGTGCAGCATCCCTTCGTGAGCAGAGTACCAGCAATAAGGCTCTTC
 GGGAGCTGGTGGCCGAGGCAAAGGCGGAGGTAATGGAGGAGATTGAGGATGGCAGGGAGGACGGAGAAGA
 GGAGGATGCTGTGGATGCTGTTCCGCCCTGGTCAACCACACTCAGGACTCTGCCAATGTAACCTAGCCA
 AGCCTCGACTCCAACAAGCTTCTCCAGGATCTTCCACCCCTGCCTCCAGCCAGCCTCAGGAGCCTG
 TGAGCGGCTCTGTAGCCAACCTCTGGGGATGGACCCCTCAAACACCAGCCCTCGAGATGGGCTCTC
 CAAGAATGACAATGACTTAAAGGTGCCTGTTCCCTCCGGAAGTCCCGGCCACTGTCATGGATGCCAGA
 ATTCAGATGGATGAAGAGAAACAATCCCTGACCAGGATGAGAACCAGGTCCTGCAGCCAGCAAGTCCC
 AAAAGGCCAACAGAGCCGACCTAACAGCAGTGCCTGGAGACCTTGGGTGGCAGGCTCTGACCAACGG
 TGGCCTGGAACCTCCAGCTCTGTCACTCCAAGCATTCTAAGAGGGCTCGGACTGTAGCAACCTGTCT
 ACCTCAGAGAGCATGGACTATGGCACCTCCCTGTCTGCTGACCTGTCACTGAACAAAGAAACGGGCTCAT
 TGTCTCTCAAGGGCTCAAACTGCACAATAAGACCCTGAAACGGACCCCGGTTTGTGGTGGATGGTGT
 GGAGGTGAGCATACCACCTCAAGATCATCAGCGAGGATGAGAAGAAAGACGAGGAGATGAGATTTCTC
 AGGCGCCAGGAGCTCCGAGAGCTTCGGCTTCTGCAGAAAGAAGAACATCGGAACCAGACGAGCTGAGCA
 GCAAGCAGAGCTGCAGCTGGAGCAGATGCACAAACGTTTTGAACAAGAAATCAACGCCAAGAAGAAATT
 CTATGACGTGGAGCTAGAAAACCTGGAGCGGCAGCAGAAGCAGCAGGTAGAGAAGATGGAGCAGGACCAC
 AGCGTGGCCCGCAAAGAGGAGGCCAAGCGGATCCGCCTGGAGCAGGATCGAGACTACGCCAAGTTCCAAG
 AGCAACTCAAGCAAAATGAAGAAGGAGGTGAAGAGTGAAGTTGAGAAACTGCCCGGCAGCAGCGGAAGGA
 GAGCATGAAGCAGAAGATGGAGGAACACTCTCAGAAGAAACAGCGGCTGGACCGGACTTTGTAGCCAAG
 CAGAAGGAGGACCTGGAGCTGGCCATGAGGAAGCTCACCACGAAAACAGGCGTGAGATCTGCGACAAGG
 AACGAGATTGCCTTAGCAAGAAGCAGGAGCTCCTCCGAGACCGTGAGGCGGCCCTGTGGGAGATGGAGGA
 GCACCAGTTGCAGGAGCGACATCAGCTGGTGAAGCAGCAACTGAAGGACCAGTACTTCTGCAGCGGCAT
 GACCTGCTGCGTAAGCATGAGAAGGAGCGGGAACAGATGCAGCGCTACAACCAGCGCATGATGGAGCAGC
 TGAAGGTGAGACAGCAACAGGAGAAGGCGCGGCTACCCAAGATCCAGAGGAGCGACGGAAGACGCGCAT
 GGCCATGTACAAGAAGAGCCTGCACATCAACGGTGCGGCAGTGCCTCTGAGCAGCGGAGAAGATCAAG
 CAGTTCTCCAGCAGGAGGAGAAGAGGCAGAAGGCGGAGAGGCTGCAGCAGCAGCAGAAACAGAGAACC
 AGATGCGAGACATGGTGGCGCAGTGTGAAAGCAACATGAGCGAGCTACAGCAGCTGCAGAATGAAAAGTG
 TCATCTGTTGGTAGAGCATGAAACCCAGAAGCTGAAGGCCCTGGATGAGAGCCACAACCAGAGCCTGAAG
 GAATGGCAGACAAGCTTCGGCCACGAAAAAGGCCCTGGAAGAGGATTTGAACCAGAAGAAGCGGGAAC
 AGGAAATGTTCTCAAATTAAGCGAGGAGGAGAGCCAGACCCACCCAGCAAGCCAGCAACTT
 CTTCCCTACAGCTCTGGGGATGCTTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_009288
Insert Size:	2901 bp
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).
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_009288.2 , NP_033314.2
RefSeq Size:	5082 bp
RefSeq ORF:	2901 bp
Locus ID:	20868
UniProt ID:	O55098
Cytogenetics:	11 A4
Gene Summary:	<p>This gene encodes a member of the Ste20 family of serine/threonine protein kinases, and is similar to several known polo-like kinase kinases. Mice deficient for this gene product are viable, but exhibit altered integrin-mediated lymphocyte adhesion characteristics. The orthologous gene product in humans can associate with and phosphorylate polo-like kinase 1, and overexpression of a kinase-dead version of the protein interferes with normal cell cycle progression. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>