

Product datasheet for **MC218934**

Stk39 (NM_016866) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stk39 (NM_016866) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stk39
Synonyms:	AW227544; AW556857; DCHT; RF005; Rnl5; SPAK
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218934 representing NM_016866
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGAGCCGAGCGGCTCGCCTGTGCACGTCCAGCTTCCAGCAGGGCGGCCCGGTGACAGCGGCGG
 CGGCGACGGCCCCGGCGCCGCGACATCAGACCAGCCCCGGCCCCGGCCCCGGCTCCGGCGGCGTCCGC
 AGCCCCGGCCCCGGCTCCAGCTGCTGCTCCAGCCCCGGCCCCGGCAGCTCAGGCGGTCCGGCTGGCCCATC
 TGCAGGGACGCGTACGAGCTCCAGGAGTTATCGGCAGCGGAGCAACTGCGGTGGTTCAGGCAGCCCTAT
 GCAAACCCAGGCAAGAACGCGTAGCCATAAAGCGGATCAACTTGGAAAAATGCCAGACGAGTATGGATGA
 ACTCCTGAAAGAAATCAAGCCATGAGCCAATGCAGCCATCCCAACGTAGTGACTTATTACACCTCCTTT
 GTGGTCAAAGATGAGCTGTGGTGGTCAAGAAATTAAGTGGAGGTTCCATGTTGGATATCATCAAT
 ACATCGTTAATCGAGGAGAACATAAAAAATGGTGTCTAGAAGAGGCGATAATTGCAACAATCTTAAGGA
 GGTTTTGGAAGGTTTAGACTATCTGCACAGAAACGGTCAGATCCATAGGGATTTGAAAGTGGAAATATT
 CTTCTGGGTGAGGATGGCTCAGTACAAATAGCAGATTTTGGAGTAAGCGCATTCTTAGCCACAGGGGGTG
 ATGTTACACGGAATAAAGTCAGAAAAACATTTGTTGGTACCCCATGTTGGATGGCCCCTGAAGTCATGGA
 ACAGGTGAGAGGCTATGACTTCAAGGCTGATATGTGGAGTTTTGGAATAACTGCCATTGAATTAGCAACC
 GGAGCAGCGCCTTACCACAAATACCCTCCAATGAAAGTGTAAATGCTGACTTTGCAAAATGACCCGCCCA
 CTTTAGAAACTGGTGTAGAGGATAAAGAAATGATGAAAAAATACGGCAAGTCTTCAGAAAAGTTACTGTC
 ACTGTGTCTTCAGAAAGATCCTTCCAAAAGGCCACAGCAGCAGAAGTTTAAATGCAAGTTCTTCCAG
 AAGGTAAGGCGAGTTCCTGGTTCGAGCGGTACCTTCATAAGACTGAAGACGGCGGAGTGGGAGTGGAG
 CGATGACGAGATGGATGAGAAGAGCGAGGAGGGGAAGGCAGCCGCTCCCAAGAGAAGTACGAAGAGTA
 AAAGAAGAGAAGTACAGAGATCTCGGTGAATGCTGGTGGCATCCCTGAGCAAAATACAGTCTCTCTGTGC
 ACGACTCTCAGGCCAACCAAACGCTAATGAAGACTACAGAGAAGGTCCTTGTGCAGTCAACCTGTTTTT
 AAGATTAAGAACTCCAGAAAGGAACCTAATGACATACGATTTGAGTTTACTCCAGGAAGAGATACAGCA
 GACGGTGTGTCTCAGGAGCTCTCTCTGCTGGCTTGGTTGACGGCCATGATGTAGTTATAGTGGCTGCTA
 ATTTACAGAAGATTGTAGATGACCCCAAAGCTTAAAAACGTTGACATTTAAGTTGGCTTCTGGCTGCGA
 TGGGTCCGAGATTCCTGATGAAGTGAAGCTGATCGGGTTCGCCAGTTGAGTGTGAG**TGA**

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_016866

Insert Size: 1671 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:

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_016866.2](#), [NP_058562.1](#)

RefSeq Size: 3268 bp

RefSeq ORF: 1671 bp

Locus ID: 53416

UniProt ID: [Q9Z1W9](#)

Cytogenetics: 2 C1.3

Gene Summary: May act as a mediator of stress-activated signals. Mediates the inhibition of SLC4A4, SLC26A6 as well as CFTR activities by the WNK scaffolds, probably through phosphorylation (PubMed:21317537, PubMed:23542070). Phosphorylates RELT (PubMed:16530727). [UniProtKB/Swiss-Prot Function]