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Product datasheet for SC115335

STK39 (NM_013233) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STK39 (NM_013233) Human Untagged Clone
Tag:	Tag Free
Symbol:	STK39
Synonyms:	DCHT; PASK; SPAK
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF sequence for NM_013233 edited
ATGGCGGAGCCGAGCGGCTCGCCCGTGCACGTCCAGCTTCCCCAGCAGGCGGCCCCGGTG
ACAGCGGCGGCGGCGGCGGCCCCGGCGGCCGCGACAGCAGCGCCGGCCCCGGCAGCTCCC
GCGGCCCCGGCCCCGGCCCCGGCCCCGGCCCCGGCGGCACAGGCTGTCGGCTGGCCCATC
TGCAGGGACGCGTACGAGCTGCAGGAGGTTATCGGCAGTGGAGCTACTGCTGTGGTTCAG
GCAGCCCTATGCAAACCCAGGCAAGAACGTGTAGCAATAAAACGGATCAACTTGGAAAAA
TGCCAGACCAGTATGGATGAACTATTAAAAGAAATTCAAGCCATGAGTCAGTGCAGCCAT
CCCAACGTAGTGACCTATTACACCTCTTTTGTGGTCAAAGATGAACTTTGGCTGGTCATG
AAATTACTAAGTGGAGGTTCAATGTTGGATATCATAAAATACATTGTCAACCGAGGAGAA
CACAAGAATGGAGTTCTGGAAGAGGCAATAATAGCAACAATTCTTAAAGAGGTTTTGGAA
GGCTTAGACTATCTACACAGAAACGGTCAGATTCACAGGGATTTGAAAGCTGGTAATATT
CTTCTGGGTGAGGATGGTTCAGTACAAATAGCAGATTTTGGGGTAAGTGCGTTCCTAGCA
ACAGGGGGTGATGTTACCCGAAATAAAGTAAGAAAAACATTCGTTGGCACCCCATGTTGG
ATGGCTCCTGAAGTCATGGAACAGGTGAGAGGCTATGACTTCAAGGCTGACATGTGGAGT
TTTGGAATAACTGCCATTGAATTAGCAACAGGAGCAGCGCCTTATCACAAATATCCTCCC
ATGAAAGTGTTAATGTTGACTTTGCAAAATGATCCACCCACTTTGGAAACAGGGGTAGAG
GATAAAGAAATGATGAAAAAGTACGGCAAGTCCTTTAGAAAATTACTTTCACTGTGTCTT
CAGAAAGATCCTTCCAAAAGGCCCACAGCAGCAGAACTTTTAAAATGCAAATTCTTCCAG
AAAGCCAAGAACAGAGAGTACCTGATTGAGAAGCTGCTTACAAGAACACCAGACATAGCC
CAAAGAGCCAAAAAGGTAAGAAGAGTTCCTGGGTCAAGTGGTCACCTTCATAAAACCGAA
GACGGGGACTGGGAGTGGAGTGACGACGAGATGGATGAGAAGAGCGAAGAAGGGAAAGCA
GCTTTTTCTCAGGAAAAGTCACGAAGAGTAAAAGAAGAAAATCCAGAGATTGCAGTGAGT
GCCAGCACCATCCCCGAACAAATACAGTCCCTCTCTGTGCACGACTCTCAGGGCCCACCC
AATGCTAATGAAGACTACAGAGAAGCTTCTTCTTGTGCCGTGAACCTCGTTTTGAGATTA
AGAAACTCCAGAAAGGAACTTAATGACATACGATTTGAGTTTACTCCAGGAAGAGATACA
GCAGATGGTGTATCTCAGGAGCTCTTCTCTGCTGGCTTGGTGGATGGTCACGATGTAGTT
ATAGTGGCTGCTAATTTACAGAAGATTGTAGATGATCCCAAAGCTTTAAAAACATTGACA
TTTAAGTTGGCTTCTGGCTGTGATGGGTCGGAGATTCCTGATGAAGTGAAGCTGATTGGG
TTTGCTCAGTTGAGTGTCAGCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013233 unedited
NTTTTNNNANATGNAACACGATTTCCTATAGGGCGGCCGGCGATTCGGCACGAGGTCCTA
GCTGGCTTCGGCGGGGACGGCGGCGGCGGCGGCGGCGGCGGCGGCGGGCGGGGAGGGCGT
GCGCCGGCCGAGAGGTGTCGGCGGCGAGGCAAAGGAAGTTTCAAGTGGAAGGTCGTCCGT
CGGCCGGCGCGTCCTCCTGCTCTCCTCCGCAGCATCATGGCGGAGCCGAGCGGCTCGCCC
GTGCACGTCCAGCTTCCCCAGCAGGCGGCCCCGGTGACAGCGGCGGCGGCGGCGGCCCCG
GCGGCCGCGACAGCAGCGCCGGCCCCGGCAGCTCCCGCGGCCCCGGCCCCGGCCCCGGCC
CCGGCCCCGGCGGCACAGGCTGTCGGCTGGCCCATCTGCAGGGACGCGTACGAGCTGCAG
GAGGTTATCGGCAGTGGAGCTACTGCTGTGGTTCAGGCAGCCCTATGCAAACCCAGGCAA
GAACGTGTAGCAATAAAACGGATCAACTTGGAAAAATGCCAGACCAGTATGGATGAACTA
TTAAAAGAAATTCAAGCCATGAGTCAGTGCAGCCATCCCAACGTAGTGACCTATTACACC
TCTTTTGTGGTCAAAGATGAACTTTGGCTGGTCATGAAATTACTAAGTGGAGGTTCAATG
TTGGATATCATAAAATACATTGTCAACCGAGGAGACCACACGAATGGAGGTCTTGGAAGA
GGCACTAATAGCCACAATTCCTACAGAGGTTTTGGAAGGCTTAGACTATCTACACAGAAA
CGGTCATATTCACAGGGATTTGAAAGCTGTCATATTTCTTCGGGTGAAGATGGTTCCATC
CAAATAGCAGAATTTGGGGGACGCGCCGCCCTAACACCAGGGCCGGATGTCACCCCCAAT
AATCTAAAAAACATCTGTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013233 unedited
CGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTCAATGGGGCAAAACATTTTTTTTTTCTTTTACCCTTGGCAGCCTTT
TTAAAGAAATGGTGGGGAAAACATTAAAGGGGAAGGAATTTCCTTTAATTGGTTTGCAAA
GGGTTTTAAACCCCCTTACCATTTTTGACAGGGCATTTTTAAAAAACTTTTTTTCTTTAA
AAAAAAATATTGGTTTTTGAAAGACCTTAAAAAAGCTGCCTTTTTTAGGGTTACCTAGAA
AAAACCATGGGTCCCTTCCTGGGACCCCCCCTCTTTAAAAAATAAAACTCCATTTTTAAA
AACCCTAGGGTTAACTATTCCCTTAATAACCAGCCAACCAAAGGGCTCCTGGGGTTAAAA
GTTTTGTTTTTTGACCCTTAACAGGGTTTTCCCTTTTAGTCTTGGCAAAAAACCCTTCCA
ATTTTCCCTCCCCCGGGGTTTTTTGCAAAATTTCAAGAAAAACTCAAATTTTGATTTTTT
AAAGTTTATCCCCTTTAAAAAAACAAATCCTTTCCTTTAGGGGAACCCAAATCAAAGGGG
GGTTTTTATTTAGCATTCTAACAAAAGGGCACCTTTTAACTTAGCTTTTTAAACGGCCCA
ATGAACCAAAATTTACCTTTTGCCACTTTATTTAAAGGAAATTTAAAATCTGAGACTTTC
CCAAAGTAAAGCACCCTCGGGCACTTTTTTATTGGGAAAGTTGGCAAGGCCACCTCCCTC
TCCCAAAAAACAGTCAAATGGAAAATGGGTTTTTAGGCAAACGCACTAAAGAATAAGCTC
CCAAATCCTAATTTCGTCTTTTANATTTTAGAAGTTCAATCCTCCAAGACGACCCAAACC
TGTTGTTAATAACGGGATAACTGCAAAACCTATATCAAAACTTTTTTTTTAAACTAGGGG
GGAAGCATAATATTGAAAA

Restriction Sites: NotI-NotI

ACCN: NM_013233

Insert Size: 3160 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_013233.1, NP_037365.1

RefSeq Size: 3293 bp

RefSeq ORF: 1644 bp

Locus ID: 27347

UniProt ID: Q9UEW8

Cytogenetics: 2q24.3

Domains: pkinase, TyrKc, S_TKc

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: This gene encodes a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is activated in response to hypotonic stress, leading to phosphorylation of several cation-chloride-coupled cotransporters. The catalytically active kinase specifically activates the p38 MAP kinase pathway, and its interaction with p38 decreases upon cellular stress, suggesting that this kinase may serve as an intermediate in the response to cellular stress. [provided by RefSeq, Jul 2008]