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Product datasheet for SC123211

CSNK1A1L (NM_145203) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSNK1A1L (NM_145203) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSNK1A1L
Synonyms:	CK1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_145203 edited
GGTTTGTGGTTGGCTGAGGTGGAGGAATAAAATGGCGGCGCCGGCGGCGTGACCGGGCCC
TCTGGCCCACAGCCATTGGTAGCGGTGGCAGCAGTACTGCTGCCCCAACTCGCTGTGCCC
CCTTTCTCAGCCCACGACATCGCCACGACAGCGAGGCAGCGACCGCCACCGAGAAAGAGG
TGGTGGCCCAGCCTGGAACCTTGAGAAACCCTCGCAAACTGTGGCCTGGCGGAAATCCTG
GTGTGCTGCAGGGATCAGGCTGACTCCAGGCCCTGTAACACCGGGAAACGCCTCGGTGGC
CATTTCCAGCAGCCCTCATCCTCAGCCTTGCGGGCCGGTGGGCCCCGGAGGCCTCCATCC
TCCCCTAGAGGGGTCAGGGCTGAGCCCAGCCTCCATCTTTGCCTCTCAGGATGACAAACA
ACAGCGGCTCCAAAGCCGAACTCGTTGTGGGAGGGAAATACAAACTGGTGCGGAAGATCG
GGTCTGGCTCCTTTGGAGACGTTTATCTGGGCATCACCACCACCAACGGCGAGGAAGTAG
CAGTGAAGCTGGAATCTCAGAAGGTCAAGCACCCCCAGTTGCTGTATGAGAGCAAACTCT
ACACGATTCTTCAAGGTGGGGTTGGCATCCCCCACATGCACTGGTATGGTCAGGAAAAAG
ACAACAATGTGCTAGTCATGGACCTTCTGGGACCCAGCCTCGAAGACCTCTTTAATTTCT
GTTCAAGAAGGTTCACCATGAAAACTGTACTTATGTTAGCCGACCAGATGATCAGCAGAA
TTGAATACGTGCATACAAAGAATTTTCTACACCGAGACATTAAACCAGATAACTTCCTGA
TGGGTACTGGGCGTCACTGTAATAAGTTGTTCCTTATTGATTTTGGTTTGGCCAAAAAGT
ACAGAGACAACAGGACCAGGCAACACATACCGTACAGAGAAGATAAACACCTCATTGGCA
CTGTCCGATATGCCAGCATCAATGCACATCTTGGTATTGAGCAGAGCCGCCGAGATGACA
TGGAATCCTTAGGCTACGTTTTCATGTATTTTAATAGAACCAGCCTGCCGTGGCAAGGAC
TAAAGGCTATGACAAAAAAACAAAAATATGAAAAGATTAGTGAGAAGAAGATGTCCACCC
CTGTTGAAGTTTTATGTAAGGGGTTTCCTGCAGAATTCGCCATGTACTTGAACTACTGTC
GTGGGCTGCGCTTTGAGGAAGTCCCAGATTACATGTATCTGAGGCAGCTATTCCGCATTC
TTTTCAGGACCCTGAACCACCAATATGACTACACATTTGATTGGACGATGTTAAAGCAGA
AAGCAGCACAGCAGGCAGCCTCTTCCAGTGGGCAGGGTCAGCAGGCCCAAACCCAGACAG
GCAAGCAAACTGAAAAAAACAAGAATAATGTGAAAGATAACTAAGCGTGAATGAGGAACA
GAAGAAGCAGAGCAGATGATTCGAGCAGCATTTGTTTCTCCCCACATCTAGAAATTGTAG
TTCATATGTACACCAGCTAGTGGCTGTGAACAACCATTTAGTTGGTGTAAAAAACTTTAT
TTCAATATAAACTGACTCTGGGGAGCGTTGGTGATGCTGTATCCCAAAGTGTAGCCTCTG
TAATTGTGAATATTAACTGAGGTAGTGAAACGTGATGTCTGGTTTTCTATTGCATTTATT
CAAGTAGAAAAGTTAACTAAATGGTTGACACACACGAATTGGTGGAGACATTGTCCATAT
GCCAATTTTTTGTTAAAACCTTTTATTTTGAACTAGACTGCTTTGAGATATCATTTCAGA
AGGACAGTCTTCAGCCACAGCTGCAAAGGTTGTAAATGCTTATGATTGAGCATTTTTAGG
GTTTCTCCATCCCTGGGGTTTGCAAATTGTTCACATAAAGAGCATTCTTAAAATGGTTGG
CTTCTTGTCTGTAAGCCAGCTGATCTAGTAGTAACCAAAAATTCCAGTTTTGAGAATAGG
AAAGATTCCGCCTGCTTACCTGTGAAGACATAAGAAAATCTTAGTAACTACCAGATTATC
TTTAGAATTCCACATTAACTATATCATGTTCTCGGTATTTTAAAAACAACAACAACCATA
TTTGTCACAGAAATTTAGTTAACATCTTACAACTGAACATGTATGTACATGGCTTAGATA
AATGTAATCACCGTAAACACCTATATGATCTGGGATTTTGTTCATATTTTGAAATGGGAG
CTTTTATGTTTTACAAGTTCACTAAAATCTGAAAACTGTTTCTATAAGGAAATAATACTT
TTTTAAACAACAACCAAAAAATGCCTTGCTGATTCACTAGGAAATAAAAATCTCCCCAAT
TTTTTGATAGTCAACTTCGAGCCATTTGTTACATGATATTCCCTTGCAAGTAAATTTTAT
TTCATTACAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_145203 unedited
CGGTTTTGTATACGACTCTTCATAGGCGGCCGCATAACTTCGTATAGCATACATTATACT
ATGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGGGTTTGTGGTT
GGCTGAGGTGGAGGAATAAAATGGCGGCGCCGGCGGCGTGACCGGGCCCTCTGGCCCACA
GCCATTGGTAGCGGTGGCAGCAGTACTGCTGCCCCAACTCGCTGTGCCCCCTTTCTCAGC
CCACGACATCGCCACGACAGCGAGGCAGCGACCGCCACCGAGAAAGAGGTGGTGGCCCAG
CCTGGAACCTTGAGAAACCCTCGCAAACTGTGGCCTGGCGGAAATCCTGGTGTGCTGCAG
GGATCAGGCTGACTCCAGGCCCTGTAACACCGGGAAACGCCTCGGTGGCCATTTCCAGCA
GCCCTCATCCTCAGCCTTGCGGGCCGGTGGGCCCCGGAGGCCTCCATCCTCCCCTAGAGG
GGTCAGGGCTGAGCCCAGCCTCCATCTTTGCCTCTCAGGATGACAAACAACAGCGGCTCC
AAAGCCGAACTCGTTGTGGGAGGGAAATACAAACTGGTGCGGAAGATCGGGTCTGGCTCC
TTTGGAGACGTTTATCTGGGCATCACCACCACCAACGGCGAGGAAGTAGCAGTGAAGCTG
GAATCTCAGAAAGTCAAGCACCCCCAGTTGCTGTATGAGAGCCAACTCTACACGATTCTT
CAAAGTGGGGGTTGCATCCCCCACATGCACTGGTATGGTCAGGGAAAAGACAACAATGTG
CTAGTCATGGACCTTCCTGGACCCAGCCTCGAAGACCCTTTAATTCTGTTCAGAAAGGTT
CCATGGAAACTGTCTTAATGTTACCGACCAGAGATCAGCAAAATTGATCCTGGCTACCAA
GAATTTCTACCCGGAGCATTAACCCATAACCTC
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Restriction Sites: Please inquire

ACCN: NM_145203

Insert Size: 2428 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_145203.2, NP_660204.1

RefSeq Size: 2423 bp

RefSeq ORF: 1014 bp

Locus ID: 122011

UniProt ID: Q8N752

Cytogenetics: 13q13.3

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Hedgehog signaling pathway, Wnt signaling pathway

Gene Summary: Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling (By similarity).[UniProtKB/Swiss-Prot Function]