

Product datasheet for **SC313112**

CAMK1D (NM_020397) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAMK1D (NM_020397) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAMK1D
Synonyms:	CaM-K1; CaMKID; CKLiK
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_020397 edited ATGGCCCCGGGAGAACGGCGAGAGCAGCTCCTCGGAAAAAGCAAGCTGAAGACATCAAG AAGATCTTCGAGTTCAAAGAGACCCTCGGAACCGGGCCCTTTCCGAAGTGGTTTTAGCT GAAGAGAAGGCAACTGGCAAGCTCTTTGCTGTGAAGTGTATCCCTAAGAAGGCGCTGAAG GGCAAGGAAAGCAGCATAGAGAATGAGATAGCCGTCCTGAGAAAGATTAAGCATGAAAAT ATTGTTGCCCTGGAAGACATTTATGAAAGCCAAATCACCTGTACTTGGTCATGCAGCTG GTGTCCGGTGGAGAGCTGTTTGACCGGATAGTGGAGAAGGGTTTTATACAGAGAAGGAT GCCAGCACTCTGATCCGCCAAGTCTTGGACGCCGTACTATCTCCACAGAATGGGCATC GTCCACAGAGACCTCAAGCCGAAAATCTTGTACTACAGTCAAGATGAGGAGTCCAAA ATAATGATCAGTACTTTGGATTGTCAAAAATGGAGGGCAAAGGAGATGTGATGTCCACT GCCTGTGGAACCTCAGGCTATGTCGCTCCTGAAGTCTCGCCAGAAACCTTACAGCAA GCCGTTGACTGTGGTCCATCGGAGTGATTGCCTACATCTTGCTCTGCGGCTACCCTCCT TTTTATGATGAAAATGACTCCAAGCTCTTTGAGCAGATCCTCAAGGCGGAATATGAGTTT GACTCTCCCTACTGGGATGACATCTCCGACTCTGCAAAAGACTTCATTCCGGAACCTGATG GAGAAGGACCCGAATAAAAGATACACGTGTGAGCAGGCAGCTCGGCACCCATGGATCGCT GGTGACACAGCCCTCAACAAAAACATCCACGAGTCCGTGAGCGCCAGATCCGAAAAAC TTTGCCAAGAGCAAATGGAGACAAGCATTTAATGCCACGGCCGTCGTGAGACATATGAGA AAACTACACCTCGGCAGCAGCCTGGACAGTTCAAATGCAAGTGTTCGAGCAGCCTCAGT TTGGCCAGCCAAAAGACTGTGCGTATGTAGCAAAACCAGAATCCCTCAGCTGA
Restriction Sites:	Please inquire
ACCN:	NM_020397
Insert Size:	1300 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_020397.2 , NP_065130.1
RefSeq Size:	1727 bp
RefSeq ORF:	1074 bp
Locus ID:	57118
UniProt ID:	Q8IU85
Cytogenetics:	10p13
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>This gene is a member of the calcium/calmodulin-dependent protein kinase 1 family, a subfamily of the serine/threonine kinases. The encoded protein is a component of the calcium-regulated calmodulin-dependent protein kinase cascade. It has been associated with multiple processes including regulation of granulocyte function, activation of CREB-dependent gene transcription, aldosterone synthesis, differentiation and activation of neutrophil cells, and apoptosis of erythroleukemia cells. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq, Jan 2015]</p> <p>Transcript Variant: This variant (1) lacks the 3' terminal exon used in variant 2, and its 3' terminal exon extends past a splice site that is used in variant 2. It encodes isoform 1, which has a shorter and distinct C-terminus, compared to isoform 2.</p>