

## Product datasheet for **SC215377**

### Casein Kinase 1 alpha (CSNK1A1) (NM\_001892) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Casein Kinase 1 alpha (CSNK1A1) (NM_001892) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CSNK1A1
Synonyms:	CK1; CK1a; CK1a; HEL-S-77p; HLCDGP1; PRO2975
ACCN:	NM_001892
Insert Size:	2000 bp



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**Insert Sequence:** >SC215377 3'UTR clone of NM\_001892  
 The sequence shown below is from the reference sequence of NM\_001892. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAAACCAAGAGTAACATGAAAGTTTCAAGCATGAATTGAGGAACAGAAGAAGCAGAGCAGATGATCG
GAGCAGCATTGTTTCTCCCAAATCTAGAAATTTAGTTCATATGTACACTAGCCAGTGGTTGTGGAC
AACCATTTACTTGGTGTAAAGAACTTAATTTCACTATAAACTGACTCTGGGCAGCATTGGTGATGCTGT
ATCCTGAGTTGTAGCCTCTGTAATTGTGAATATTAAGTGAAGATAGTAAACATGGTGTCCGGTTTTCTA
TTGCATTTTTTCAAGTGGAAAAGTTAACTAAATGGTTGACACACAAAAATGGTGGAGAAATGTGCAT
ATGCCAATTTTTGTAAACCTTTTGTGTTGAACTATACTGCTTTGAGATCTCATTTCAGAAGAACGG
CATGAACAGTCTTCAGCCACAGTTGTGATGGTTGTTAAATGCTCACAATTGTGCATTCTTAGGGTTTT
CCATCCCTGGGGTTGCAAGTTGTTCACTTAAACATTCTTAAATGGTTGGCTTCTGTCTGCAAGCC
AGCTGATATGGTAGCAACCAAGATTCCAGTGTGTTGAGCATATGAAAGACTCTGCCTGCTTAATTGTGC
TAGAAATAACAGCATCTAAAGTGAAGACTTAAGAAAACTTAGTGACTACTAGATTATCCTTAGGACTC
TGCATTAACCTATAATGTTCTTGGTATTAATAAAAAAGCATATTTGTACAGAAATTTAGTTAACATC
TTCAACTGAACATGTATGTATGTTGCTTAGATAAATGTAATCACTGTAAACATCTATATGATCTGGGA
TTTTGTTTTATTTTGAATGGGAGCTTTTTGTTTACAAGTTCATTAATAACTAAAACTGTTTCTGT
AAGGAAATGAGATTTTTTAAACAACAAAAATGCCTTGCTGACTCACTATTAATAAAAAATCTCCCC
AATTTTTGATAGACTACTTCAAGCCATTTGTTACATGGTATTCCTTTGCAAGTCAATTTAGGTTTCGT
GTTATACTTTTCTCTTTTTTAAAGAAAAATGAAAAAGTAATCTTTTTGTCTGAAGGGAAAGGCAT
TCTTTCATTTTTTCTTTTTTTTTTTTTTTTTTTTATGACTTGCAGGCACAATATCTAGTACTGCAACTG
CCAGAACTTGGTATTGTAGCTGCTGCCCTGACTAGCAGCTGGACTGATTTTGAATAAAAAATGAAAGC
ATTAAGGGTTTTCCCTACAAAACATTTTTCTTTAAATACTTTTTGAAATGGCTATAAGCAGTTGACTTT
CACCCCTGGAGAGCATCACACTGTGTGAGGTTCAAGTATTGTTGACCCTCCCAGCCCTCTGCTTCT
TTAAGTTATCTGTGTGCGTGCCTTCTCTCAATCTTCTTTGCACGCTCATTCTTTTTCTCTGACCCA
TGAGAAAGGAAAACCTTACTGATGATAATTTTTAAATAGTGAATTTATTCATTTATAGCATGTCAGGAT
AAATTAAGAACATTTGTCTGGAAATGCTGCCGGGAGCCTATTGTGAAATGTAGGTATTTGTAAAA
TAACCTTGAATGTAAATTGACACGTGTTGGTCAAGTTGTTGCAAGTTAATTTGTTTTGTTTTCTT
TTTTCTTTTTTTATTTGAAAACCTTTAGCAATAATTAATCCATGATTATCACATTCTGCCATTAA
GGGATATTAGTACCGTAATACTGAAGAAATTTATTAAGTCTGAACCTTCTGGGGTAGGCAGCTTCTTTG
TTTTTTTTCTATCCACCCTTGTCCGGTTGAGGTATTTGTTTCTTGACTAATAAACCCCTTTGATACTTTA
GCCAGAAATCAGTCTCATAAAGCTATTTTTGAGTATAGTTTGTGTAATAAAAAATGTTTAGCTTTGGT
AATAACTCCAAGCTGAACCTCCCTCTAGCAAGATTTTTTCAAGTCTTTTATTTACTATGCACCTAGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACC GCCCCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001892.6](#)

**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. Phosphorylates CTNNB1 at 'Ser-45'. May phosphorylate PER1 and PER2. May play a role in segregating chromosomes during mitosis (PubMed:11955436, PubMed:1409656, PubMed:18305108). May play a role in keratin cytoskeleton disassembly and thereby, it may regulate epithelial cell migration (PubMed:23902688).[UniProtKB/Swiss-Prot Function]

**Locus ID:**

1452

**MW:**

77.1