

Product datasheet for **RG206077**

CSNK1A1L (NM_145203) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CSNK1A1L (NM_145203) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CSNK1A1L
Synonyms: CK1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206077 representing NM_145203
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAAACAACAGCGGCTCAAAGCCGAACCTCGTTGTGGGAGGGAAATACAAACTGGTGCGGAAGATCG
 GGTCTGGCTCCTTTGGAGACGTTTATCTGGGCATCACCACCACCAACGGCGAGGAAGTAGCAGTGAAGCT
 GGAATCTCAGAAGGTCAAGCACCCCGATTGCTGTATGAGAGCAAACCTACACGATTCTCAAGGTGGG
 GTTGGCATCCCCACATGCACTGGTATGGTCAGGAAAAAGACAACAATGTGCTAGTCATGGACCTTCTGG
 GACCCAGCCTCGAAGACCTCTTTAATTTCTGTTCAAGAAGGTTCCACCATGAAAACGTACTTATGTTAGC
 CGACCAGATGATCAGCAGAATTGAATACGTGCATACAAAGAATTTCTACACCGAGACATTAACCAGAT
 AACTTCCTGATGGTACTGGGCGTCACTGTAATAAGTTGTTTCCTATTGATTTTGGTTTGGCCAAAAAGT
 ACAGAGACAACAGGACCAGGCAACACATACCGTACAGAGAAGATAAACACCTCATTGGCACTGTCCGATA
 TGCCAGCATCAATGCACATCTTGGTATTGAGCAGAGCCGCGGAGATGACATGGAATCCTTAGGCTACGTT
 TTCATGTATTTAATAGAACCAGCCTGCCGTGGCAAGGACTAAAGGCTATGACAAAAAACAAAAATATG
 AAAAGATTAGTGAGAAGAAGATGTCCACCCTGTTGAAGTTTTATGTAAGGGGTTTCTGCAGAATTCGC
 CATGTACTTGAACACTGTCTGGGCTGCGCTTTGAGGAAGTCCCAGATTACATGTATCTGAGGCAGCTA
 TTCCGATTCTTTTCAGGACCCTGAACCACCAATATGACTACACATTTGATTGGACGATGTTAAAGCAGA
 AAGCAGCACAGCAGGCGAGCCTCTTCCAGTGGGCAGGGTCAGCAGGCCCAAACCCAGACAGGCAAGCAAC
 TGAAAAAACAAAGAATAATGTGAAAGATAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206077 representing NM_145203
 Red=Cloning site Green=Tags(s)

MTNNSGSKAELVVGKYLVRKIGSGSFGDVYLGITTTNGEEVAVKLESQKVKHPQLLYESKLYTILQGG
 VGIPHMHWYGQEKDNNVLVMDLLGPSLEDLNFNCSRFTMKTVLMADQMI SRIEYVHTKNFLHRDIKPD
 NFLMGTGRHCNKLFLIDFGLAKKYRDNRTQHIPYREDKHLIGTVRYASINAHLGIEQSRDDMESLGYV
 FMYFNRTSLPWQGLKAMTKKQKYEKISEKKMSTPVEVLCKGFPAEFAMYLNYCRGLRFEVDPDYMYLRQL
 FRILFRTLNHQYDYTFDWTMLKQKAAQQAASSSGQGQQAQTQTGKQTEKNKNNVKDN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145203

ORF Size: 1011 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_145203.4](#)

RefSeq Size: 2423 bp

RefSeq ORF: 1014 bp

Locus ID: 122011

UniProt ID: [Q8N752](#)

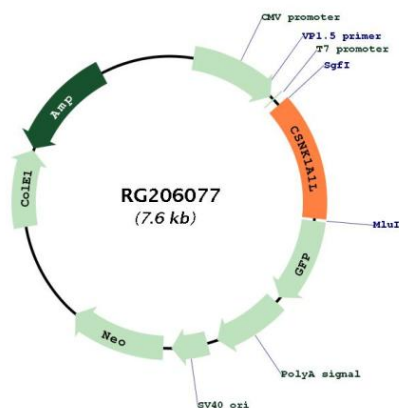
Cytogenetics: 13q13.3

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]

Product images:



Circular map for RG206077