

Product datasheet for **RC233172**

Cellular Apoptosis Susceptibility (CSE1L) (NM_001256135) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cellular Apoptosis Susceptibility (CSE1L) (NM_001256135) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CSE1L
Synonyms:	CAS; CSE1; XPO2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC233172 representing NM_001256135
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAAGCTCAGCGATGCAAACTGCAAACTAACAGAATATTTAAAGAAAACACTTGATCTGATCCTG
 CCATCCGACGTCCAGCTGAGAAATTTCTGAATCTGTTGAAGGAAATCAGAATTATCCACTGTTGCTTTT
 GACATTACTGGAGAAGTCCCAGGATAATGTTATCAAAGTATGTGCTTCAGTAACATTCAAAAACTATATT
 AAAAGGAAGTGGAGAATTGTTGAAGATGAACAAACAAAATTTGTGAAGCCGATCGAGTGGCCATTAAG
 CCAACATAGTGCCTTGTGCTAGCAGCCAGAGCAAATTCAGAAGCAGTTAAGTATGCAATTAGCAT
 TATTGGCAGAGAAGATTTCCACAGAAATGGCCTGACTTGTGACAGAAATGGTGAATCGCTTCAGAGT
 GGAGATTTCCATGTTATTAATGGAGTCTCCGTACAGCACATTCATTATTTAAAAGATACCGTCATGAAT
 TTAAGTCAAACGAGTTATGGACTGAAATTAAGCTTGTCTGGATGCCTTTGCTTTGCCTTTGACTAATCT
 TTTAAGGCCACTATTGAACTCTGCAGTACCCATGCAAAATGATGCCTCTGCCCTGAGGATCTGTTTTCT
 TCCTGATCCTGATCTCAAAATGTTCTATAGTTTAACTTTTCAGGATCTCCCTGAATTTTTTGAAGATA
 ATATGGAAACTTGGATGAATAATTTTCATACTCTTAACTTGGATAATAAGCTTTTACAACTGATTT
 GGTAAGTAATGCAATTCATTTCTGGCTTCAGTTTGTGAGAGACCTCATTATAAGAATCTATTTGAGGAC
 CAGAACACGCTGACAAGTATCTGTGAAAAGGTTATTGTGCCTAACATGGAATTTAGAGCTGCTGATGAAG
 AAGCATTTGAAGATAATCTGAGGAGTACATAAGGAGAGATTTGGAAGGATCTGATATTGATACTAGACG
 CAGGGCTGCTTGTGATCTGGTACGAGGATTATGCAAGTTTTTTGAGGGACCTGTGACAGGAATCTTCTCT
 GGTTATGTTAATCCATGCTGCAGGAATACGCAAAAAATCCATCTGTCACTGGAACACAAAGATGCAG
 CCATCTACCTAGTGACATCTTTGGCATAAAAAGCCCAACAGAAAGCATGGAATTACACAAGCAAATGA
 ACTTGTAAACCTAACTGAGTCTTTGTGAATCACATCCTCCCTGATTTAAAATCAGCTAATGTGAATGAA
 TTTCTGTCTTAAAGCTGACGGTATCAAATATATTATGATTTTTAGAAATCAAGTGCCAAAAGAATCATC
 TTTTAGTCTCGATTCCTCTCTGATTAATCATCTTCAAGCTGAAAGTATTGTTGTTACACTTACGCAGC
 TCATGCTCTTGAACGGCTCTTTACTATGCGAGGGCCTAACATGCCACTCTTTACAGCTGCAGAAATC
 GCACCGTTTGTGAGATTCTGCTAACAAACCTTTTCAAAGCTCTCACACTTCTGGCTCTTCAGAAAATG
 AATATATTATGAAAGCTATCATGAGAAGTTTTCTCTCTACAAGAAGCCATAATCCCCTACATCCCTAC
 TCTCATCACTCAGCTTACACAGAAGCTATTAGCTGTTAGTAAGAACCAGCAAACCTCACTTTAATCAC
 TACATGTTTGAAGCAATATGTTTATCCATAAGAATAAATTGCAAAGCTAACCCCTGCTGCTGTTGTAATT
 TTGAGGAGGCTTTGTTTTTGGTGTACTGAAATCTTACAAAATGATGTGCAAGAATTTATCCATACGT
 CTTTCAAGTGATGCTTTGCTTCTGAAACACAAAAATGACATCCCGTCTTCTATATGGCCTTATTT
 CCTCATCTCCTTCAGCCAGTGTCTTTGGGAAAGAACAGGAAATATTCCTGCTCTAGTGAGGCTTCTCAAG
 CATTCTTAGAACGCGGTTCAAACACAATAGCAAGTGTGACAGCTGACAAAATTCCTGGGTTACTAGGTGT
 CTTTCAGAAGCTGATTGCATCCAAGCAAATGACCACCAAGGTTTTTATCTTCTAACAGTATAATAGAG
 CACATGCCTCTGAATCAGTTGACCAATATAGGAAACAAATCTTCATTCTGCTATTCCAGAGACTTCAGA
 ATTCAAAAACAACCAAGTTTATCAAGAGTTTTTTAGTCTTTATTAATTTGATTGCATAAAAATATGGGGC
 ACTAGCACTACAAGAAATATTTGATGGTATACAACCAAAAAATGTTTGAATGGTTTTGGAAAAAATTTAT
 ATTCCTGAAATTCAGAAGGTATCTGAAAATGTAGAGAAAAAGATCTGTGCGGTTGCATAACCAAAATAC
 TAACAGAATGTCCCAATGATGGACACTGAGTATACAAACTGTGGACTCCATTATTACAGTCTTTGAT
 TGGTCTTTTTGAGTTACCCGAAGATGATACCATTCCTGATGAGGAACATTTTATTGACATAGAAGATACA
 CCAGGATATCAGACTGCCTTCTCACAGTTGGCATTGCTGGGAAAAAAGAGCATGATCCTGTAGGTCAA
 TGGTGAATAACCCCAAAATTCACCTGGCACAGTCACTTACAAGTTGTCTACCGCTGTCCAGGAAGGGT
 TCCATCAATGGTGAACACCGCTGAATGCAGAAGCGCTCCAGTATCTCCAAGGGTACCTTCAGGCAGCC
 AGTGTGACACTGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RC233172 representing NM_001256135
 Red=Cloning site Green=Tags(s)

MELSDANLQTLTEYLKKTLDPPAIRRPAEKFLSVEGNQNYPLLLLTLLEKSQDNVIKVCASVTFKNYI
 KRNWRIVEDEPNKICEADRVAIKANIVHMLSSPEIQKQLSDAISIIIGREDFPQKWPDLLTEMVNRFS
 GDFHVINGVLRATAHSLFKRYRHEFKSNELWTEIKLVDAFALPLTNLFKATIELCSTHANDASALRILFS
 SLILISKLFYSLNFQDLPEFFEDNMETWMNMFHTLLTLDNKLLQTDLVSNAIQFLASVCERPHYKNLFED
 QNTLTSICEKVIIPNMEFRAADEEAFEDNSEEYIRRDLEGSDIDTRRRAACDLVRGLCKFFEGPVTGIFS
 GYVNSMLQEYAKNPSVNWKHKDAIYLVTSASKAQTQKHGITQANELVNLTEFFVNHILPDLKSANVNE
 FPVLKADGIKIMIFRNQVPKEHLLVSIPLLINHLQAESIVVHTYAAHALERLFTMRGPNNATLFTAAEI
 APFVEILLTNLFKALTLPGSSENEYIMKAIMRSFSLLEAIIPYIPTLITQLTQKLLAVSKNPSKPHFNH
 YMFEAICLSIRITCKANPAAVNFEEALFLVFTEILQNDVQEFIPYVFQVMSLLETHKNDIPSSYMAF
 PHLLQPVLWERTGNIPALVRLQAFLEGRSNTIASAAADKIPGLLGVFQKLIASKANDHQGFYLLNSIIE
 HMPPEVDQYRKQIFILLFQRLQNSKTTKFKSFLVFINLYCIKYGALALQEIFDGIQPKMFGMVLEKII
 IPEIQKVSNGVEKKICAVGITKLLTECPPMMDTEYTKLWTPLLQSLIGLFELPEDDITPDEEHFIDIEDT
 PGYQTAFSQLAFAGKKEHDPVGMVNNPKIHLAQSLHKLSTACPRVPSMVSTSLNAEALQYLQGYLQAA
 SVTLL

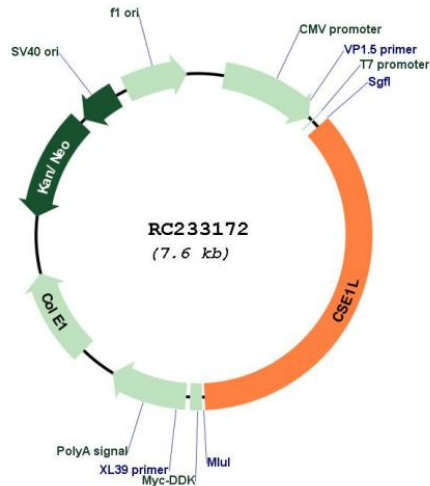
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001256135

ORF Size: 2745 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_001256135.1](#), [NP_001243064.1](#)

RefSeq Size: 3459 bp

RefSeq ORF: 2748 bp

Locus ID: 1434

UniProt ID: [P55060](#)

Cytogenetics: 20q13.13

Protein Families:	Druggable Genome
MW:	104.3 kDa
Gene Summary:	<p>Proteins that carry a nuclear localization signal (NLS) are transported into the nucleus by the importin-alpha/beta heterodimer. Importin-alpha binds the NLS, while importin-beta mediates translocation through the nuclear pore complex. After translocation, RanGTP binds importin-beta and displaces importin-alpha. Importin-alpha must then be returned to the cytoplasm, leaving the NLS protein behind. The protein encoded by this gene binds strongly to NLS-free importin-alpha, and this binding is released in the cytoplasm by the combined action of RANBP1 and RANGAP1. In addition, the encoded protein may play a role both in apoptosis and in cell proliferation. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]</p>