

Product datasheet for **MC222918**

Cse1l (NM_023565) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cse1l (NM_023565) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cse1l
Synonyms:	2610100P18Rik; AA407533; Capts; Cas; Xpo2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222918 representing NM_023565
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCTCAGCGATGCGAATTTACAGACACTAACAGAGTATTTAAAGAAAACCTGGATCCTGATCCTG
 CCATTAGACGGCCAGCTGAGAAGTTTCTCGAATCCGTAGAAGGAAATCAGAATTACCCACTGTTGCTTTT
 AACATTATTGGAAAAGTACAGGATAATGTCATTAAGTATGTGCTTCAGTAACCTTCAAGAACTATATT
 AAAAGGAATTGGAGAATTGTTGAAGATGAACAAACAAAATTTGCGAAGCTGATCGAGTAGCTATTAAG
 CCAACATAGTGCATCTGATGCTGAGCAGTCCAGAGCAGATTGAGAAGCAGCTGAGTGATGCTATTAGCAT
 CATTGGCAGAGAAGATTTCCCTCAGAAATGGCCTGACTTGTGACAGAAATGGTGAATCGCTTTCAGAGT
 GGAGATTTTCACGTCATTAATGGAGTCTTCGTACAGCGCACTCACTATTAAGAGATACCGGCATGAGT
 TCAAGTCAAATGAGCTGTGGACTGAAATTAACCTTGTCTTGGATGCCTTTGCTTTGCCTTTGACTAATCT
 ATCAAGGCCACCATTGAACTGTGCAGTACCCATGCAAAATGACGCCTCTGCCCTGAGGATCTTTTTTCT
 TCCTTGATTTTGTACTCAAAATGTTCTATAGTTTGAACCTTTCAGGATCTCCCTGAATCTTTGAAGATA
 ATATGGAACTGGATGAACAATTTTCATACCCTCCTGACACTGGATAATAAGCTCTTGACAGACTGATGA
 TGAAGAGGAAGCAGGCTTACTGGAGCTTTTAAAGTCTCAGATCTGTGATAATGCCCTCTCTATGCACAG
 AAATATGACGAAGAGTTTACGCGGTACCTCCCTCGCTTGTACAGCTATCTGGAACCTACTCGTTACAA
 CAGGGCGAGAAGTTAAATATGACTTGTGGTTAGCAATGCAATTCAGTTTCTGGCTTCAGTTTGTGAAA
 GCCACATTATAAGAATCTGTTGAGGACCAGAACCGCTGACAAGTATCTGTGAAAAAGTTATTGTGCCT
 AACATGGAATTTAGAGCTGCTGATGAAGAAGCTTTTGAAGATAATTCTGAGGAGTACATACGGAGGGATT
 TGAAGGCTCTGATATTGATAGTACAGCAGGGCTGCTTGTGATCTTGTACGAGGATTATGCAAAATTTT
 TGAAGGCTCTGTGACAGGAATCTTCTCTGGTTATGTTAATTCCATGCTCCAGGAGTATGCAAAAACCCG
 TCTGTCAACTGGAAACACAAAGATGCAGCTATTTACCTTGTACATCTTTGGCATCAAAAGCCAGACAC
 AGAAGCATGGAATCACGCAAGCCAATGAACTTGTAAACCTAACTGAATTTTTCTGGAATCACATACTTCC
 TGATTTAAATCAATAATGTGAATGAGTTTCTGTGCTTAAAGCTGATGGTATCAAAATATATTATGATT
 TTTAGGAATCAAGTACAAAAGAGCACCTCCTAGTCTCTATTCCCTCTTGATCAGTACCTGGAGGCTG
 AGAGTATTGTCGTCACACTTATGCCGCACATGCTCTCGAAAGGCTGTTCACTATGAGAGGGTCAAACAA
 TACCACTTTTTACAGCTGCAGAAATCGCACCGTTTGTGAGATTCTGTAACAAACCTTTTCAAAGCT
 CTCACACTTCTGCTCTTCAGAAAATGAATATATTATGAAAGCTATCATGAGAAGTTTCTCCCTCTGC
 AAGAGGCCATCATCCCTATATCCCACTCTCATCACGAGCTCACACAGAAGCTGCTGGCTGTTAGTAA
 GAATCCAGTAAACCTCATTTCATCACTACATGTTTGAAGCAATATGCTTGTCTATAAGAATAACCTGC
 AAAGCTAACCTGCTGCTGTTGTGAATTTTGGAGGGCTCTGTTTCTAGTGTTCAGTATGATCTTACAAA
 ATGATGTACAAGAGTTTATCCCATATGTCTTCAAGTATGCTTTACTTCTGGAAACACATAAAAATGA
 TATCCCGTCTTCTATATGGCCTTGTTCACCACTCCTTCAGCCAGTACTGTGGGAAAGGACAGGAAAC
 ATCCCTGCTCTAGTGAGGCTGCTCCAGGCATTCTTAGAACGAGGCTCAAGTACAATAGCAACTGCTGCAG
 CTGACAAAATCCTGGATTACTGGGTGCTTCCAGAAGCTGATTGCATCCAAGGCAAACGATCACCAAGG
 TTTCTATCTTCAACAGTATAATCGAACACATGCCTCCTGAATCAGTTGACCAGTATAGGAAGCAGATC
 TTCATTCTACTATTCAGAGACTGCAAACTCCAAGACCACCAAGTTTATCAAGAGTTTCTTAGTGTTTA
 TTAACCTATATTGCATTAAGTATGGGGCACTAGCATTACAAGAAATATTTGATGGCATACAACAAAAAT
 GTTTGGAATGGTTTTGGAAAAATCATTATTCAGAGATTCAAAAGGTATCTGGGAACTGGAGAAAAAA
 ATCTGTGCAGTTGGCATAACCAATTACTCACAGAGTGTCCACCAATGATGGACACGGAGTACACTAAGC
 TGTGGACTCCTTTGTTACAATCTCTCATTGGCCTGTTGAATTACCTGAAGATGACAGCATTCTGATGA
 AGAGCATTTTATTGACATAGAAGATACACCAGGATACCAGACTGCCTTCTCACAGCTGGCATTGCTGGT
 AAAAAGGAACATGATCCTGTAGGTGAGTAAACAACCCCAAAATCCATCTGGCAGATCACTTCA
 AACTGTCAACTGCTTGTCTGGAAGGGTCCCTCGATGGTGGAGCACCAGCCTCAATGCAGAAGCCTTGCA
 GTATCTCCAAGGTTACCTGCAGGACGCCAGTGTGACCCTGTTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_023565
Insert Size:	2916 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:	<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_023565.3 , NP_076054.1
RefSeq Size:	3604 bp
RefSeq ORF:	2916 bp
Locus ID:	110750
UniProt ID:	Q9ERK4
Cytogenetics:	2 87.22 cM
Gene Summary:	Export receptor for importin-alpha. Mediates importin-alpha re-export from the nucleus to the cytoplasm after import substrates (cargos) have been released into the nucleoplasm. In the nucleus binds cooperatively to importin-alpha and to the GTPase Ran in its active GTP-bound form. Docking of this trimeric complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of a nuclear export complex into the cytoplasm, disassembling of the complex and hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause release of the importin-alpha from the export receptor. CSE1L/XPO2 then return to the nuclear compartment and mediate another round of transport. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus. [UniProtKB/Swiss-Prot Function]