

Product datasheet for **SC330372**

Cellular Apoptosis Susceptibility (CSE1L) (NM_001256135) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cellular Apoptosis Susceptibility (CSE1L) (NM_001256135) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSE1L
Synonyms:	CAS; CSE1; XPO2
Vector:	pCMV6-Entry (PS100001)

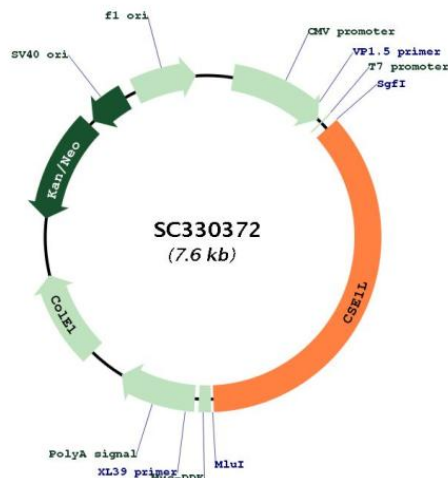


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Fully Sequenced ORF: >SC330372 representing NM_001256135.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001256135

Insert Size: 2748 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:

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](#)

RefSeq Size: 3459 bp

RefSeq ORF: 2748 bp

Locus ID: 1434

UniProt ID: [P55060](#)

Cytogenetics: 20q13.13

Protein Families: Druggable Genome

MW: 103.9 kDa

Gene Summary:

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]

Transcript Variant: This variant (2) lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (2) missing an internal protein segment compared to isoform 1.