

Recombinant Human CSE1L

Cat. No. CSE1L-27394TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Cellular Apoptosis Susceptibility with N terminal proprietary tag, predicted mwt: 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	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.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Highly expressed in proliferating cells.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LIGLFELPEDDTIPDEEHFIDIEDTPGYQTAFSQLAFAGKKEHDPVGQMVNNPKIHLA QSLHKLSTACPGRVPSMVSTSLNAEALQYLQGYLQAASVTLL
Sequence Similarities	Belongs to the XPO2/CSE1 family.Contains 1 importin N-terminal domain.

GENE INFORMATION

Gene Name	CSE1L CSE1 chromosome segregation 1-like (yeast) [Homo sapiens]
Official Symbol	CSE1L
Synonyms	CSE1L; CSE1 chromosome segregation 1-like (yeast); chromosome segregation 1 (yeast homolog) like; exportin-2; CAS; CSE1; XPO2;
Gene ID	1434
mRNA Refseq	NM_001316
Protein Refseq	NP_001307
MIM	601342
Uniprot ID	P55060
Chromosome Location	20q13

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Pathway	Direct p53 effectors, organism-specific biosystem; p53 pathway, organism-specific biosystem;
Function	importin-alpha export receptor activity; protein binding; protein transporter activity;

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