Recombinant Human CSE1L protein, MYC/DDK-tagged

Cat. No. CSE1L-9523H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSE1L fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
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. Alternatively spliced transcript variants have been found for this gene.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	110.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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Concentration	>50 ug/mL as determined by microplate BCA method

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; exp2; importin-alpha re-exporter; chromosome segregation 1-like protein; cellular apoptosis susceptibility protein; MGC117283; MGC130036; MGC130037;
Gene ID	1434
mRNA Refseq	NM_001316
Protein Refseq	NP_001307
MIM	601342
UniProt ID	P55060
Chromosome Location	20q13
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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