

Recombinant Human CSE1L Protein (1-200 aa), His-SUMO-tagged

Cat. No. CSE1L-2732H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Human CSE1L Protein (1-200 aa) is produced by in vitro E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cell Biology. Protein Description: Partial.

Species

Human

Source

E.coli

ProteinLength

1-200 aa

Description

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.

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Form	Tris-based buffer, 50% glycerol
Molecular Mass	39.1 kDa
AA Sequence	MELSDANLQTLTEYLKKTLDPDPAIRRPAEKFLESVEGNQNYPLLLLTLEKSQDNVI KVCASVTFKKNYIKRNWRIVEDEPNKICEADRVAIKANIVHMLSSPEQIQKQLSDAISII GREDFPQKWPDLLTEMVNRFQSGDFHVGVLRTAHSFLFKRYRHEFKSNELWTEIK LVLDAFALPLTNLFKATIELCSTHAN
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

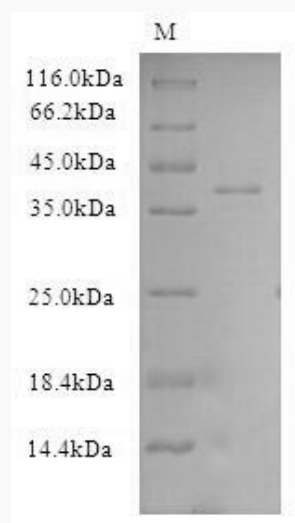
Gene Name	CSE1L CSE1 chromosome segregation 1-like (yeast) [Homo sapiens]
Official Symbol	CSE1L
Synonyms	CSE1L; exportin-2; CAS; CSE1; XPO2; exp2; importin-alpha re-exporter; MGC117283; MGC130036; MGC130037;

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Gene ID	1434
mRNA Refseq	NM_001256135
Protein Refseq	NP_001243064
MIM	601342
UniProt ID	P55060



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.