CSE1L Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	CSE1L, Lysate
Full Product Name	Human CSE1L Protein Lysate
Product Gene Name	CSE1L lysate
Product Synonym Names	CSE1L; CAS; CSE1; XPO2
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	103,879 Da
OMIM	601342
3D Structure	ModBase 3D Structure for P55060
Related Product Information for CSE1L lysate	Human CSE1L Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of CSE1L lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CSE1L purchase	MBS139962 is a lysate targeting CSE1L. Also known as Human CSE1L Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CSE1L. It may not necessarily be applicable to this product.

NCBI GI #	29029559
NCBI GeneID	1434
NCBI Accession #	NP_001307
UniProt Primary Accession #	P55060
UniProt Secondary Accession #	O75432; Q32M40; Q9H5B7; Q9NTS0; Q9UP98; Q9UP99; Q9UPA0; A3RLL6; B2R5T4; E1P5Y0; F8W904
UniProt Related Accession #	P55060
GenBank Nucleotide #	NM_001316
NCBI Official Full Name	exportin-2 isoform 1
NCBI Official Synonym Full Names	CSE1 chromosome segregation 1-like (yeast)
NCBI Official Symbol	CSE1L
NCBI Official Synonym Symbols	CAS; CSE1; XPO2
UniProt Protein Name	Exportin-2
UniProt Synonym Protein Names	Cellular apoptosis susceptibility protein; Chromosome segregation 1-like protein; Importin-alpha re-exporter

UniProt Gene Name	CSE1L
UniProt Synonym Gene Names	CAS; XPO2; Exp2
UniProt Entry Name	XPO2_HUMAN
NCBI Protein Information	exportin-2; cellular apoptosis susceptibility protein; chromosome segregation 1-like protein; exp2; importin-alpha re-exporter
UniProt Comments for CSE1L	Exportin-2: 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. Belongs to the XPO2/CSE1 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Nuclear import; Karyopherin; Nuclear export Chromosomal Location of Human Ortholog: 20q13 Cellular Component: nucleoplasm; membrane; cytoplasm; nucleus Molecular Function: protein binding; importin-alpha export receptor activity; Ran GTPase binding Biological Process: cell proliferation; apoptosis; protein export from nucleus
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