

Datasheet for ABIN7556024

Exportin 2 Protein (AA 1-971) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Exportin 2 (CSE1L)
Protein Characteristics:	AA 1-971
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Exportin 2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CSE1L Protein expressed in mammalian cells.
Sequence:	MELSDANLQT LTEYLKKTLD PDPAIRRAE KFLESVEGNQ NYPLLLLTLL EKSQDNVIKV CASVTFKNYI KRNWRIVEDE PNKICEADRV AIKANIVHLM LSSPEIQKQ LSDAISIGR EDFPQKWPDL LTEMVNRFS GDFHVGVL RTAHSFLKRY RHEFKSNELW TEIKLVDAF ALPLTNLFKA TIELCSTHAN DASALRILFS SLILISKLFY SLNFQDLPEF FEDNMETWMN NFHTLLLDN KLLQTDDEEE AGLLELLKSQ ICDNAALYAQ KYDEEFQRYL PRFVTAIWNL LVTTGQEVKY DLLVSNAIQF LASVCERPHY KNLFEDQNTL TSICEKVIVP NMEFRAADEE AFEDNSEEYI RRDLEGSID TRRRAACDLV RGLCKFFEGP VTGIFSGYVN SMLQEYAKNP SVNWKHKDAA IYLVTSLASK AQTQKHGITQ ANELVNLTEF FVNHILPDLK SANVNEFPVL KADGIKIMI FRNQVPKEHL LVSIPLINH LQAESIVVHT YAAHALERLF TMRGPNNATL FTAAEIAPFV EILLTNLFKA LTLPGSSENE YIMKAIMRSF SLLQEAIIPY IPTLITQLTQ KLLAVSKNPS KPHFNHYMFE AICLSIRITC KANPAAVVNF EEALFLVFTE ILQNDVQEFI PYVFQVMSLL

Product Details

LETHKNDIPS SYMALFPHLL QPVLWERTGN IPALVRLQQA FLERGSNTIA SAAADKIPGL
LGVFQKLIAS KANDHQGFYL LNSIIEHMPP ESVDQYRKQI FILLFQRLQN SKTTKFIKSF
LVFINLYCIK YGALALQEIF DGIQPKMFGM VLEKIIIPEI QKVSGNVEKK ICAVGITKLL
TECPMMMDTE YTKLWTPLLQ SLIGLFELPE DDTIPDEEHF IDIEDTPGYQ TAFSQLAFAG
KKEHDPVGQM VNNPKIHLAQ SLHKLSTACP GRVPSMVSTS LNAEALQYLQ GYLQAASVTL L

Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

Exportin 2 (CSE1L)

Alternative Name:

CSE1L ([CSE1L Products](#))

Background:

Exportin-2 (Exp2) (Cellular apoptosis susceptibility protein) (Chromosome segregation 1-like protein) (Importin-alpha re-exporter),FUNCTION: 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

Target Details

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. {ECO:0000269|PubMed:9323134}.

Molecular Weight: 110.4 kDa

UniProt: [P55060](#)

Pathways: [Protein targeting to Nucleus](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months