

Recombinant Human SEC62 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SEC62-997H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SEC62 MS Standard C13 and N15-labeled recombinant protein (NP_003253) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The Sec61 complex is the central component of the protein translocation apparatus of the endoplasmic reticulum (ER) membrane. The protein encoded by this gene and SEC63 protein are found to be associated with ribosome-free SEC61 complex. It is speculated that Sec61-Sec62-Sec63 may perform post-translational protein translocation into the ER. The Sec61-Sec62-Sec63 complex might also perform the backward transport of ER proteins that are subject to the ubiquitin-proteasome-dependent degradation pathway. The encoded protein is an integral membrane protein located in the rough ER.
Molecular Mass	45.7 kDa
AA Sequence	MAERRRHKKRIQEVGEPSSKEEKAVAKYLRFNCPTKSTNMMGHRVDYFIASKAVDCL LDSKWAKAKKGEEALFTTRESVDYCNRLKKQFFHRALKVMKMKYDKDIKKEKDK GKAESGKEEDKKS KKENIKDEKTKKEKEKKKDGEKEESKKEETPGTPKKKETKKKFK LEPHDDQVFLDGNEVYVWIYDPVHFKTFVMGLILVIAVIAATLFLPLWPAEMRVGVYYL SVGAGCFVASILLAVARCILFLIWLITGGRHHFWFLPNLTADVGFIDSRPLYTHEYK

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GPKADLKKDEKSETKKQKSDSEEKSDSEKKEDEEGKVGPNGHGTGSGGERHS
 DTDSRREDDRSQHSSGNGNDFEMITKEELEQQTDGDCEEDEEEEENDGETPKSSH
 EKSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SEC62 SEC62 homolog, preprotein translocation factor [Homo sapiens (human)]

Official Symbol SEC62

Synonyms SEC62; SEC62 homolog, preprotein translocation factor; HTP1; TP-1; Dtrp1; TLOC1; translocation protein SEC62; SEC62 preprotein translocation factor; hTP-1; membrane protein SEC62, S.cerevisiae, homolog of; translocation protein 1

Gene ID 7095

mRNA Refseq NM_003262

Protein Refseq NP_003253

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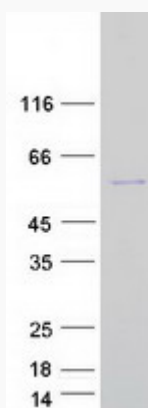
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MIM 602173

UniProt ID Q99442

SDS-PAGE



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