

Product datasheet for **TP510508**

Sec63 (NM_153055) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SEC63-like (<i>S. cerevisiae</i>) (Sec63), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210508 representing NM_153055 Red =Cloning site Green =Tags(s)
	MAGQQFQYDDSGNTFFYFLTSFVGLIVIPATYYLWPRDQNAEQIRLKNIRKVYGRGMWYRLRLLKPQPNIIPTVKKIVLLAGWALFLFLAYKVSCTDREYQEYNPYEVLNLDPGATVAEIKKQYRLLSLKYHPDKGGDEV MFMRIAKAYAALTDESRKNWEEFGNPDGPQATSFGIALPAWIVDQKNSILVLLVYGLAFMVILPVVWGS WWYRSIRYSGDQILIRTTQIYTYFVKTRNMDMKRLIMVLGASEFDPQYNKDSTSRPTDNILIPQLIRE IGSINLKKNEPPLTCPYSLKARVLLLSHLARMKIPETLEEDQQFMLKKCPALLQEMVNVICQLIIMARSR EEREFRAPTLASLENCMKLSQMAVQGLQQFKSPLLQLPHIEEDNLRRVSNHKKYKIKTIQDLVSLKESDR HSLHFLEDEKYEEVMAVLGSFPYVTMDIKSQVLDDSDSNITVGSGLVTVLKLTRQTMAEVFEKEQSIC AAEEQPTEDGQSDANKIKAKGGWQQKNGKPKMKPKSKKKKPLKKKPTTVPLPQAKQQKQKQANGVVG SEA AIKEEEDDISDKGSDSEEEETNRDSQSEKEDGSDRESREQDEKQSKDDEAEWQELQQSIQRKERALLET KSKITHPVYSLYFPEEKQEWWWLYIADRKEQTLISMPYHVCTLKDTEEVELKFPAPGKPGNYQYTVFLRS DSYMGDLQIKPLKLEVHEAKVPENHPQWDTAIEGDEDQEDSEGFEDSFEEEEEEEEEGGD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	88.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_694695</u>
Locus ID:	140740
UniProt ID:	<u>Q8VHE0</u>
RefSeq Size:	6058
Cytogenetics:	10 22.89 cM
RefSeq ORF:	2280
Synonyms:	5730478J10Rik; AI649014; AW319215
Summary:	Mediates cotranslational and post-translational transport of certain precursor polypeptides across endoplasmic reticulum (ER) (PubMed:22375059). Proposed to play an auxiliary role in recognition of precursors with short and apolar signal peptides. May cooperate with SEC62 and HSPA5/BiP to facilitate targeting of small presecretory proteins into the SEC61 channel-forming translocon complex, triggering channel opening for polypeptide translocation to the ER lumen (By similarity). Required for efficient PKD1/Polycystin-1 biogenesis and trafficking to the plasma membrane of the primary cilia (PubMed:21685914).[UniProtKB/Swiss-Prot Function]