

Datasheet for ABIN7546463
SRP68 Protein (AA 1-627) (His tag)



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Overview

Quantity:	1 mg
Target:	SRP68
Protein Characteristics:	AA 1-627
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SRP68 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SRP68 Protein expressed in mammalian cells.
Sequence:	MAAEKQVPGG GGGGGSGGGG GSGGGGSGGG RGAGGEENKE NERPSAGSKA NKEFGDSL EILQIIKESQ QQHGLRHGDF QRYRGYCSRR QRRLRKTLLNF KMGNRHKFTG KKVTEELLTD NRYLLLVLMD AERAWSYAMQ LKQEANTEPR KRFHLLSRLR KAVKHAELE RLCESNRVDA KTKLEAQAYT AYLSGMLRFE HQEWKAAIEA FNKCKTIYEK LASAFTEEQA VLYNQRVEEI SPNIRYCAYN IGDQSAINEL MQMRLRSGGT EGLLAEKLEA LITQTRAKQA ATMSEVEWRG RTVPVKIDKV RIFLLGLADN EAAIVQAASE ETKERLFESM LSECRDAIQV VREELKPDQK QRDYILEGEP GKVSNLQYLH SYLTYIKLST AIKRNNEMAK GLQRALLQQQ PEDDSKRSPR PQDLIRLYDI ILQNLVELLQ LPGLEEDKAF QKEIGLKTIV FKAYRCFFIA QSYVLVKKWS EALVLYDRVL KYANEVNSDA GAFKNSLKDL PDVQELITQV RSEKCSLQAA AILDANDAHQ TETSSQVKD NKPLVERFET FCLDPSLVTK QANLVHFPPG FQPIPCKPLF FDLALNHVAF PPLEDKLEQK TKSGLTGYIK GIFGFRS 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:

SRP68

Alternative Name:

SRP68 ([SRP68 Products](#))

Background:

Signal recognition particle subunit SRP68 (SRP68) (Signal recognition particle 68 kDa protein),FUNCTION: Component of the signal recognition particle (SRP) complex, a ribonucleoprotein complex that mediates the cotranslational targeting of secretory and membrane proteins to the endoplasmic reticulum (ER) (PubMed:34020957). The SRP complex interacts with the signal sequence in nascent secretory and membrane proteins and directs them to the membrane of the ER (PubMed:34020957). The SRP complex targets the ribosome-nascent chain complex to the SRP receptor (SR), which is anchored in the ER, where SR compaction and GTPase rearrangement drive cotranslational protein translocation into the ER (PubMed:34020957). Binds the signal recognition particle RNA (7SL RNA), SRP72 binds to this complex subsequently (PubMed:16672232, PubMed:27899666). The SRP complex possibly participates in the elongation arrest function (By similarity). {ECO:0000250|UniProtKB:P38687,

Target Details

ECO:0000269|PubMed:16672232, ECO:0000269|PubMed:27899666,
ECO:0000269|PubMed:34020957}.

Molecular Weight: 70.7 kDa

UniProt: [Q9UHB9](#)

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