

Recombinant Human SRP68 protein, His tagged

Cat. No. SRP68-01H Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	E.coli
ProteinLength	15-457 aa
Description	<p>This gene encodes a subunit of the signal recognition particle (SRP). The SRP is a ribonucleoprotein complex that transports secreted and membrane proteins to the endoplasmic reticulum for processing. The complex includes a 7S RNA and six protein subunits. The encoded protein is the 68kDa component of the SRP, and forms a heterodimer with the 72kDa subunit that is required for SRP function. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and three pseudogenes of this gene are located within the Smith-Magenis syndrome region on chromosome 17.</p>
Molecular Mass	72 kDa
AA Sequence	<pre>MAAEKQVPGGGGGGGGSGGGGGSGGGGGSGGGRGAGGEENKENERPSAGSKANK EFGDLSLSLEILQIIKESQQQHGLRHGDFQRYRGYCSRRQRRLRKTNLNFKMGNRHKF TGKKVTEELLTDNRYLLLVLMDAERAWSYAMQLKQEANTEPRKRFHLLSRLRKAVK HAEELERLCESNRVDAKTKLEAQAYTAYLSGMLRFEHQEWKAAIEAFNKCKTIYEKL ASAFTEEQAVLYNQRVEEISPNIKYCAYNIGDQSAINELMQMRLRSGGTEGLLAEKL EALITQTRAKQAATMSEVEWRGRTVPVKIDKVRIFLLGLADNEAAIVQAESEETKERL FESMLSECRDAIQVVREELKPDQKQRDYILEGEPGKVSNLQYLHSYLTYYIKLSTAIKR</pre>

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NENMAKGLQRALLQQQPEDDSKRSPRPQDLIRLYDIILQNLVELLQLPGLLEEDKAFQ
 KEIGLKTLLVFKAYRCFFIAQSYVLVKKWSEALVLYDRVLKYANEVNSDAGAFKNSLKD
 LPDVQELITQVRSEKCSLQAAAILDANDAHQTETSSSQVKDNKPLVERFETFCLDPSL
 VTKQANLVHFPPGFQPIPCPLFFDLALNHVAFPPLIEDKLEQKTKSGLTGYIKGIFGF
 RSHHHHHHHH

Endotoxin	< 1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4, 0.1% SKL
Concentration	0.94 mg/mL by BCA

GENE INFORMATION

Gene Name	SRP68 signal recognition particle 68 [Homo sapiens (human)]
Official Symbol	SRP68
Synonyms	SRP68; signal recognition particle 68kDa; signal recognition particle 68kD; signal recognition particle 68 kDa protein
Gene ID	6730
mRNA Refseq	NM_014230
Protein Refseq	NP_055045



MIM	604858
UniProt ID	Q9UHB9

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