

Recombinant Human SRP68 protein, His tagged

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

SPECIFICATION

Product Overview

Species Human

Source E.coli

ProteinLength 15-457 aa

Description

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.

Molecular Mass 72 kDa

AA Sequence

MAAEKQVPGGGGGGSGGGGGSGGGGSGGGRGAGGEENKENERPSAGSKANK
EFGDSLSEILQIIKESQQQHGLRHGDFQRYRGYCSRRQRRLRKTlnfkmgnrhkf
TGKKVTEELLTDNRYLLLVLMDAERAWSYAMQLKQEANTEPRKRFHLLSRLRKAVK
HAEELERLCESNRVDAKTKLEAQAYTAYLSGMLRFEHQEWKAAIEAFNKCKTIYEKL
ASAFTEEQAVLYNQRVEEISPNIKYCAYNIGDQSAINELMQMRLRSGGTEGLLAEKL
EALITQTRAKQAATMSEVEWRGRTVPVKIDKVRIFLLGLADNEAAIVQAESEETKERL

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FESMLSECRDAIQVVREELKPDQKQRDYILEGEPGKVSNLQYLHSYLTYYIKLSTAIKR
 NENMAKGLQRALLQQQPEDDSKRSRPRQDLIRLYDIILQNLVELLQLPGLEEDKAFQ
 KEIGLKTLLVFKAYRCFFIAQSYVLVKKWSEALVLYDRVLKYANEVNSDAGAFKNSLKD
 LPDVQELITQVRSEKCSLQAAAILDANDAHQTETSSSQVKDNKPLVERFETFCLDPSL
 VTKQANLVHFPPGFQPIPCPLFFDLALNHVAFPPLEDKLEQKTKSGLTGYIKGIFGF
 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

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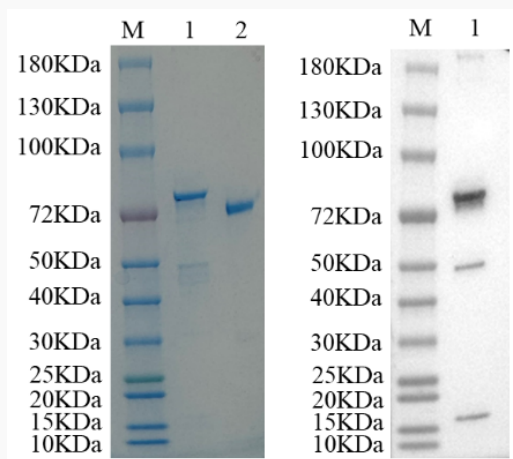
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Protein Refseq NP_055045

MIM 604858

UniProt ID Q9UHB9

**Reducing 4%-20%
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
SRP68**



1. SRP68: 1 µg 2. BSA: 1 µg

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