Recombinant Human SRPRB protein, His & T7-tagged

Cat. No. SRPRB-8126H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SRPRB aa. (Arg58~Ala271 (Accession # Q9Y5M8)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg58~Ala271
Description	The protein encoded by this gene has similarity to mouse protein which is a subunit of the signal recognition particle receptor (SR). This subunit is a transmembrane GTPase belonging to the GTPase superfamily. It anchors alpha subunit, a peripheral membrane GTPase, to the ER membrane. SR is required for the cotranslational targeting of both secretory and membrane proteins to the ER membrane.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.3.

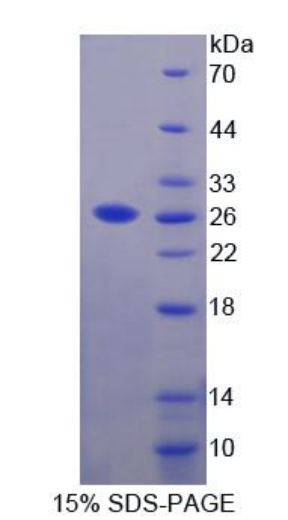
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	SRPRB SRP receptor beta subunit [Homo sapiens (human)]
Official Symbol	SRPRB
Synonyms	APMCF1; SR-beta; signal recognition particle receptor, B subunit; signal recognition particle receptor, beta subunit; signal recognition particle receptor subunit beta
Gene ID	58477
mRNA Refseq	NM_021203.3
Protein Refseq	NP_067026.3

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UniProt ID	Q9Y5M8
SDS-PAGE	 15% SDS-PAGE

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