

Recombinant Human SRPR, His-tagged

Cat. No. SRPR-29990TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 194-638 of Human SRPR alpha with N terminal His tag; 445 amino acids, 56kDa.
Species	Human
Source	E.coli
ProteinLength	194-638 a.a.
Description	The gene encodes a subunit of the endoplasmic reticulum signal recognition particle receptor that, in conjunction with the signal recognition particle, is involved in the targeting and translocation of signal sequence tagged secretory and membrane proteins across the endoplasmic reticulum. Alternative splicing results in multiple transcript variants.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 86 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium hydrogen phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	LPVGPENGVELSKEELIRRKREEFIQKHGRGMEKSNKSTK SDAPKEKGKKAPRVWE

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acids

LGGCANKEVLDYSTPTTNGTPE AALSEDINLIRGTGSGGQLQDLDCSSSDDEGAAQ
 NSTK PSATKGTGGLGGMFGMLKGLVGSKLSREDMESVLDKMRD HLIAKNVAADIAV
 QLCESVANKLEGKVMGTFSTVTSTVKQ ALQESLVQILQPQRRVDMLRDIMDAQRR
 QRPYVVTFCG VNGVGKSTNLAKISFWLLENGFSVLIAACDTFRAGAVE QLRTHTRR
 LSALHPPEKHGGRTMVQLFEKGYGKDAAGI AMEIAFARNQGFDVVLVDTAGRMQ
 DNAPLMTALAKLITV NTPDLVLFVGEALVGNEAVDQLVKFNALADHSMASQTP RLID
 GIVLTKFDTIDDKVGAAISMTYITSKPIVFGTG QTYCDLRLSLNAKAVVAALMKA

GENE INFORMATION

Gene Name	SRPR signal recognition particle receptor (docking protein) [Homo sapiens]
Official Symbol	SRPR
Synonyms	SRPR; signal recognition particle receptor (docking protein); signal recognition particle receptor subunit alpha; Sralpha; SRP alpha;
Gene ID	6734
mRNA Refseq	NM_003139
Protein Refseq	NP_003130
MIM	182180
Uniprot ID	P08240
Chromosome Location	11q24-q25
Pathway	Activation of Chaperones by IRE1alpha, organism-specific biosystem; Diabetes

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pathways, organism-specific biosystem; Insulin Synthesis and Processing, organism-specific biosystem; Protein export, organism-specific biosystem; Protein export, conserved biosystem;

Function

GTP binding; GTPase activity; nucleotide binding; receptor activity; signal recognition particle binding;

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