

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: None Constituents: 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	LPVGPENGVLSKEELIRRKREEFIQKHGRGMEKSNKSTK SDAPKEKGGKKAPRVWE

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acids

LGGCANKEVLDYSTPTTNGTPE AALSEDINLIRGTGSGGQLQDLDCSSSDDEGAAQ
 NSTK PSATKGTGGMFGMLKGLVGSKLSREDMESVLDKMRD HLIAKNVAADIAV
 QLCESVANKLEGKVMGTFSTVTSTVKQ ALQESLVQILQPQRRVDMLRDIMDAQRR
 QRPYVVTF CG VNGVGKSTNLAKISFWLLENGFSVLIAACDTFRAGAVE QLRTHTRR
 LSALHPPEKHGGRTMVQLFEKGYGKDAAGI AMEIAFARNQGFVVLVDTAGRMQ
 DNAPLMTALAKLITV NTPDLVLFVGEALVGNEAVDQLVKFNALADHSMQAQTP RLID
 GIVLTKFDITDDKVGAAISMTYITSKPIVFGTG QTYCDLRSLSNAKAVVAALMKA

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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