

Recombinant Human SRI, His-tagged

Cat. No. SRI-3478H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SRI protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	Sorcin, also known as SRI, is a 22-kDa calcium-binding protein initially identified in multidrug-resistant cells. SRI modulates excitation-contraction coupling in the heart and contributes to calcium homeostasis in the heart sarcoplasmic reticulum.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.2M NaCl, 1mM DTT, 0.1mM PMSF
Molecular Weight	24.1 kDa (221aa) confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGSMAYPGHP GAGGGYYPPG YGGAPGGPAF PGQTQDPLYG YFAAVAGQDG QIDADELQRC LTQSGIAGGY KPFNLETCL MVSMLDRDMS GTMGFNEFKE LWAVLNGWRQ HFISFDTDRS GTVDPQELQK ALTTMGFRLS PQAVNSIAKR YSTNGKITFD DYIACCVKLR ALTDSFRRRD TAQQGVVNFY YDDFIQCVMS V

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

SRI sorcin [*Homo sapiens*]

Synonyms

CP22; SRI; V19; CP-22; H_RG167B05.1; 22 kDa protein;calcium binding protein amplified in mutlidrug-resistant cells; OTTHUMP00000205590; Sorcin; SCN; FLJ26259;OTTHUMP00000206386; OTTHUMP00000213080

Gene ID

6717

mRNA Refseq

NM_003130

Protein Refseq

NP_003121

MIM

182520

UniProt ID

P30626

**Chromosome
Location**

7q21.1

Function

calcium channel regulator activity; calcium ion binding; receptor binding

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