

## SRI Human

**Description:** SRI Human Recombinant fused with a 23 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 221 amino acids (1-198 a.a.) and having a molecular mass of 24.1kDa. The SRI is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-173

For research use only.

**Synonyms:** Sorcin, 22 kDa protein, CP-22, CP22, V19, SRI, SCN, FLJ26259.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMAYPGHP GAGGGYYPGG  
YGGAPGGPAF PGQTQDPLYG YFAAVAGQDG QIDADELQRC LTQSGIAGGY KPFNLETCL  
MVSMLDRDMS GTMGFNEFKE LWAVLNGWRQ HFISFDTRS GTVDPQELQK ALTTMGFRLS  
PQAVNSIAKR YSTNGKITFD DYIACCVKLR ALTDSFRRRD TAQQGVVNFY YDDFIQCVMS V.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

The SRI solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.2M NaCl, 1mM DTT and 0.1mM PMSF.

### Stability:

SRI should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Sorcin (SRI) which is a 22kDa calcium-binding protein was originally identified in multidrug-resistant cells. Sorcin, which modulates excitation-contraction coupling in the heart, contributes to calcium homeostasis in the heart sarcoplasmic reticulum.

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