



SRI, 1-198aa, Human, His tag, E.coli

Cat.NO.: TP04029

3th Edition

Synonyms:Sorcin, 22 kDa protein, CP22, V19, SCN

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. Recombinant human SRI protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMAYPGHPGAGGGYYPGGYGGAPGGPAFPGQTQDPLYGYFAAVAGQDGQI
DADELQRCLTQSGIAGGYKPFNLETCLMLVSMMLDRDMSGTMGFNEFKELWAVLNGWRQHFISFDTRSGTVDPQ
ELQKALTTMGFRLSPQAVNSIAKRYSTNGKITFDDYIACCVKLRALTDTSFRRRDTAQQGVVNFYDDFIQCVMSV

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.