

Sorcin/SRI Protein, Human (E.coli, GST)

Cat. No.:	HY-P700311
Synonyms:	22 kDa protein; CP22; V19
Species:	Human
Source:	E. coli
Accession:	P30626 (M1-V198)
Gene ID:	6717
Molecular Weight:	Approximately 48 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Sorcin (SRI) is a calcium-binding protein crucial for regulating excitation-contraction coupling in the heart, playing a significant role in maintaining calcium homeostasis within the sarcoplasmic reticulum. SRI has been identified as a modulator of RYR2 calcium channels, suggesting its involvement in finely tuning intracellular calcium dynamics. Existing as a homodimer, SRI also engages in protein-protein interactions, forming complexes with GCA, RYR2, and ANXA7.
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Caution: Product has not been fully validated for medical applications. For research use only.

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