Sorcin (SRI) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	sorcin (SRI), ELISA Kit
Full Product Name	Mouse Sorcin, SRI ELISA Kit
Product Gene Name	SRI elisa kit
Product Synonym Names	Mouse Sorcin (SRI) ELISA kit; FLJ26259; SCN; H_RG167B05.1; calcium binding protein amplified in mutlidrug-resistant cells; sorcin
Species Reactivity	Mouse
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	21,627 Da
3D Structure	ModBase 3D Structure for Q6P069
Related Product Information for SRI elisa kit	MBS9328650 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the sorcin (SRI) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing SRI. The ELISA analytical biochemical technique of the MBS9328650 kit is based on SRI antibody-SRI antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect SRI antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, SRI. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of SRI elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SRI. It may not necessarily be applicable to this product.

NCBI GI #	124430537
NCBI GeneID	109552
NCBI Accession #	NP_001074443.1
UniProt Primary Accession #	Q6P069
UniProt Secondary Accession #	Q3UKC5; Q9CR38; Q9D7V8
UniProt Related Accession #	Q6P069
GenBank Nucleotide #	NM_001080974.2
NCBI Official Full Name	sorcin isoform 1
NCBI Official Synonym Full Names	sorcin
NCBI Official Symbol	Sri
NCBI Official Synonym Symbols	Sor; 2210417O06Rik; 2900070H08Rik
UniProt Protein Name	Sorcin
Protein Family	Sorcin

UniProt Gene Name	Sri
UniProt Entry Name	SORCN_MOUSE
NCBI Protein Information	sorcin
UniProt Comments for SRI	SRI: Calcium-binding protein that modulates excitation- contraction coupling in the heart. Contributes to calcium homeostasis in the heart sarcoplasmic reticulum. Modulates the activity of RYR2 calcium channels. Protein type: Calcium-binding Cellular Component: endoplasmic reticulum membrane; smooth endoplasmic reticulum; mitochondrion; sarcoplasmic reticulum; cell; T-tubule; Z disc; cytosol; nucleoplasm; membrane; axon; cytoplasm; plasma membrane; intracellular; nerve terminal; vesicle Molecular Function: protein binding; protease binding; protein heterodimerization activity; metal ion binding; calcium-dependent cysteine-type endopeptidase activity; calcium ion binding Biological Process: cytoplasmic sequestering of transcription factor; negative regulation of heart rate; calcium ion transport; positive regulation of release of sequestered calcium ion into cytosol; regulation of calcium ion transport; proteolysis
Research Articles on SRI	**1.** Regulation of calcium signaling and cardiac contractility by miR-1 regulated sorcin expression plays a fundamental role in the maintenance of normal cardiac function and in the pathogenesis of cardiac dysfunction.
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