Stanniocalcin-2 (STC2) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Stanniocalcin-2 (Stc2), ELISA Kit
Full Product Name	Mouse Stanniocalcin-2 ELISA Kit
Product Gene Name	Stc2 elisa kit
Product Synonym Names	Stanniocalcin-2; STC-2; Stc2
Species Reactivity	Mouse
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Detection Range	78.1 pg/mL--5000 pg/mL
Preparation and Storage	Store at 4 degree C
Molecular Weight	32,602 Da
3D Structure	ModBase 3D Structure for O88452
Assay Time	3-5h
Sample Volume	100T
Detection Wavelength	450 nm
Related Product Information for Stc2 elisa kit	MBS9426830 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Stanniocalcin-2 (Stc2) 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 Stc2. The ELISA analytical biochemical technique of the MBS9426830 kit is based on Stc2 antibody-Stc2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Stc2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Stc2. 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 Stc2 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 Stc2. It may not necessarily be applicable to this product.

NCBI GI #	6755676
NCBI GeneID	20856
NCBI Accession #	NP_035621.1
UniProt Primary Accession #	O88452
UniProt Related Accession #	O88452
GenBank Nucleotide #	NM_011491.3
NCBI Official Full Name	stanniocalcin-2
NCBI Official Synonym Full Names	stanniocalcin 2
NCBI Official Symbol	Stc2

NCBI Official Synonym Symbols	Stc2l; mustc2; AW125853
UniProt Protein Name	Stanniocalcin-2
Protein Family	Stanniocalcin
UniProt Gene Name	Stc2
UniProt Synonym Gene Names	STC-2
NCBI Protein Information	stanniocalcin-2
UniProt Comments for Stc2	STC2: a secreted protein that has an anti-hypocalcemic action on calcium and phosphate homeostasis. Expressed in a variety of tissues including muscle, heart, pancreas, kidney, spleen, prostate, small intestine, colon and peripheral blood leucocytes. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 11|11 A4 Cellular Component: endoplasmic reticulum; extracellular region; extracellular space; Golgi apparatus; perinuclear region of cytoplasm Molecular Function: enzyme binding; heme binding; protein binding; protein homodimerization activity Biological Process: calcium ion homeostasis; cellular calcium ion homeostasis; negative regulation of multicellular organism growth; regulation of hormone biosynthetic process; response to oxidative stress; unfolded protein response
Research Articles on Stc2	**1.** STC2 is involved in regulating PAPP-A activity during the development of atherosclerosis
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