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## Stanniocalcin 2 Protein (STC2) (Fc Tag)



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Background:

Quantity:	100 μg
Target:	Stanniocalcin 2 (STC2)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Stanniocalcin 2 protein is labelled with Fc Tag.
Product Details	
Purpose:	Recombinant Human STC2/Stanniocalcin 2 Protein (Fc Tag)
Sequence:	Met 1-Arg302
Characteristics:	A DNA sequence encoding the human STC2 (076061) (Met1-Arg302) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Target Details	
Target:	Stanniocalcin 2 (STC2)
Alternative Name:	STC2/Stanniocalcin 2 (STC2 Products)

Background: STC2 is a secreted, homodimeric glycoprotein which expressed in a wide variety

of tissues. STC2 has an anti-hypocalcemic action on calcium and phosphate homeostasis. It

may have autocrine or paracrine functions. Its C-terminus contains a cluster of histidine

## Target Details

residues which may interact with metal ions. STC2 has 10 of its 15 cysteine residues conserved $$
among stanniocalcin family members and is phosphorylated by casein kinase 2 exclusively on
its serine residues. It may play a role in the regulation of renal and intestinal calcium and
phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis.
Synonym: STC-2,STCRP

Molecular Weight:	57.7 kDa
UniProt:	076061

## Pathways: Hormone Activity, ER-Nucleus Signaling, SARS-CoV-2 Protein Interactome

#### **Application Details**

	For Research Use only	Restrictions:
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## Handling

Format:	Lyophilized	
Reconstitution:	Please refer to the printed manual for detailed information.	
Buffer:	Lyophilized from sterile PBS, pH 7.4	
Storage:	4 °C,-20 °C,-80 °C	
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted	
	samples are stable at < -20°C for 3 months.	