

Datasheet for ABIN7317215

**Stanniocalcin 2 Protein (STC2) (His tag)**[Go to Product page](#)

## Overview

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 His tag.

## Product Details

Purpose:	Recombinant Human STC2/Stanniocalcin 2 Protein (His Tag)
Sequence:	Met 1-Arg302
Characteristics:	A DNA sequence encoding the human STC2 (076061) (Met1-Arg302) was expressed with a C-terminal polyhistidine tag.
Purity:	> 95 % 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 ( <a href="#">STC2 Products</a> )
Background:	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: 32.1 kDa

UniProt: [O76061](#)

Pathways: [Hormone Activity](#), [ER-Nucleus Signaling](#), [SARS-CoV-2 Protein Interactome](#)

## Application Details

Restrictions: For Research Use only

## 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.