

Datasheet for ABIN7319806

Stanniocalcin 1 Protein (STC1) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Stanniocalcin 1 (STC1)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Stanniocalcin 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Stanniocalcin 1/STC-1 (C-6His)
Sequence:	Thr18-Ala247
Characteristics:	Recombinant Human Stanniocalcin 1 is produced by our Mammalian expression system and the target gene encoding Thr18-Ala247 is expressed with a 6His tag at the C-terminus.
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 1 (STC1)
Alternative Name:	Stanniocalcin 1/STC-1 (STC1 Products)
Background:	Background: Stanniocalcin 1 (STC-1) is a homodimeric glycoprotein hormone that is involved in calcium and phosphate homeostasis. It was originally identified in bony fishes, where elevation of calcium in serum causes the release of STC from the endocrine glands called the corpuscles

Target Details

of Stannius. STC-1 inhibits the breakdown of PAPP-A, protects cancer cells from apoptosis, reduces tumor size of liver cancers, promotes osteoblast differentiation and inhibits longitudinal bone growth directly at the growth plate. It is also a biomarker of brain and lung cancer progression. STC1 signals through inhibitory G-protein modulates CGRP receptor spatial localization during osteoblastogenesis and may function as a regulatory factor interacting with calcitonin peptide members during bone formation.

Synonym: Stanniocalcin 1, stanniocalcin-1, STC1, STC-1, STCSTC-1

Molecular Weight: 26.9 kDa

UniProt: [P52823](#)

Pathways: [Hormone Activity](#)

Application Details

Restrictions: For Research Use only

Handling

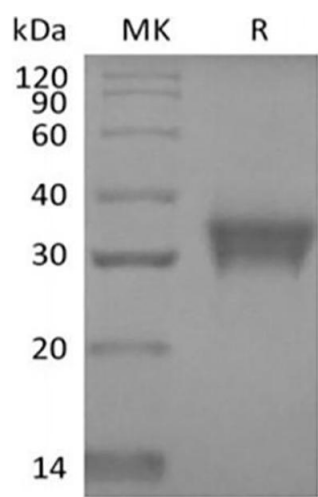
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 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.



Western Blotting

Image 1.