

Product datasheet for **TP727921**

Stanniocalcin 1 (STC1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human STC-1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Thr18-Ala247
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Note:	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.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	6781
UniProt ID:	P52823
Synonyms:	Stanniocalcin 1; stanniocalcin-1; STC1; STC-1; STCSTC-1
Summary:	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 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.
Protein Families:	Druggable Genome, Secreted Protein



[View online »](#)