

## Active Recombinant Human STC1 Protein, His-tagged

Cat. No. STC1-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Stanniocalcin 1/STC-1 Protein (Thr18-Ala247), with a C-terminal 6-His tag, expressed in mouse myeloma cell line.
<b>Species</b>	Human
<b>Source</b>	NS0
<b>Form</b>	Disulfide-linked homodimer
<b>Bio-activity</b>	Measured by its ability to inhibit Wnt-3a-induced alkaline phosphatase production by MC3T3-E1 mouse preosteoblast cells. The ED50 for this effect is 20-120 ng/mL in the presence of 10 ng/mL of Recombinant Mouse Wnt-3a.
<b>Molecular Mass</b>	26-43 kDa
<b>N-terminal Sequence Analysis</b>	Thr18
<b>Endotoxin</b>	< 0.10 EU/μg of the protein by the LAL method.
<b>Purity</b>	> 95% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied.

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1 month, 2 to 8 centigrade under sterile conditions after reconstitution.  
3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

**Storage Buffer** Lyophilized from a 0.2 µm filtered solution in PBS.

**Reconstitution** Reconstitute at 500 µg/mL in PBS.

## GENE INFORMATION

**Gene Name** STC1 stanniocalcin 1 [ Homo sapiens (human) ]

**Official Symbol** STC1

**Synonyms** STC1; stanniocalcin 1; STC; stanniocalcin-1

**Gene ID** 6781

**mRNA Refseq** NM\_003155

**Protein Refseq** NP\_003146

**MIM** 601185

**UniProt ID** P52823

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