

Active Recombinant Human STC1 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human Stanniocalcin 1/STC-1 Protein (Thr18-Ala247), with a C-terminal 6-His tag, expressed in mouse myeloma cell line.
Species	Human
Source	NS0
Form	Disulfide-linked homodimer
Bio-activity	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.
Molecular Mass	26-43 kDa
N-terminal Sequence Analysis	Thr18
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95% by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	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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