

Recombinant Human STC1 Protein, DDK/His-tagged

Cat. No. STC1-578H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human STC1(Thr34-Ala247) fused with DDK/His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	34-247 a.a.
Description	This gene encodes a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The gene contains a 5' UTR rich in CAG trinucleotide repeats. The encoded protein contains 11 conserved cysteine residues and is phosphorylated by protein kinase C exclusively on its serine residues. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Overexpression of human stanniocalcin 1 in mice produces high serum phosphate levels, dwarfism, and increased metabolic rate. This gene has altered expression in hepatocellular, ovarian, and breast cancers.
Form	1 x PBS, pH7.4, 10% glycerol. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	26 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name [STC1 stanniocalcin 1 \[Homo sapiens \]](#)

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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