

## Recombinant Human STC1 Protein, DDK/His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human STC1(Thr34-Ala247) fused with DDK/His tag at C-terminal was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	34-247 a.a.
<b>Description</b>	<p>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.</p>
<b>Form</b>	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.
<b>Molecular Mass</b>	26 kDa

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**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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