

Recombinant Human STC2 Protein (Ile53-Gln294), His tagged

Cat. No. STC2-6650H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human STC2 (Ile53-Gln294) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile53-Gln294
Description	STC2 is a secreted, homodimeric glycoprotein which expressed in a wide variety of tissues. STC2 has an anti-hypocalcemic action on calcium and phosphate homeostasis. It may have autocrine or paracrine functions. Its C-terminus contains a cluster of histidine residues which may interact with metal ions. STC2 has 1 of its 15 cysteine residues conserved among stanniocalcin family members and is phosphorylated by casein kinase 2 exclusively on its serine residues. It may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate
Form	Lyophilized powder/frozen liquid
Molecular Mass	27.5 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	STC2 stanniocalcin 2 [Homo sapiens (human)]
Official Symbol	STC2
Synonyms	STC2; stanniocalcin 2; stanniocalcin-2; STC 2; STC-related protein; stanniocalcin-related protein; STC-2; STCRP;
Gene ID	8614
mRNA Refseq	NM_003714
Protein Refseq	NP_003705
MIM	603665
UniProt ID	O76061

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