

Recombinant Human STC2, His-tagged

Cat. No. STC2-7631H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human STC2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	25-302aa
Description	STC2 is a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The protein has 10 of its 15 cysteine residues conserved among stanniocalcin family members and is phosphorylated by casein kinase 2 exclusively on its serine residues. Its C-terminus contains a cluster of histidine residues which may interact with metal ions. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Expression of this gene is induced by estrogen and altered in some breast cancers.?
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.25M NaCl, 30% glycerol, 1mM DTT.
Molecular Mass	33kDa (301aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSTDATNPP EGPQDRSSQQ KGRLSLQNTA EIQHCLVNAG DVGCGVFECF ENNSCEIRGL HGICMTFLHN AGKFDAQGKS

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FIKDALKCKA HALRHRFGCI SRKCPAIREM VSQIQRECYL KHDLCAAAQE
 NTRVIVEMIH FKDLLLHEPY VDLVNLLLTG GEEVKEAITH SVQVQCEQNW
 GSLCSILSFC TSAIQKPPTA PPERQPQVDR TKLSRAHHGE AGHHLPEPSS
 RETGRGAKGE RGSKSHRNAH ARGRVGGGLG QGPSGSSEWE DEQSEYSDIR R

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml?

GENE INFORMATION

Gene Name [STC2 stanniocalcin 2 \[Homo sapiens \]](#)

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](#)

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UniProt ID	O76061
Chromosome Location	5q35.2
Function	hormone activity;