

Recombinant Full Length Human Stanniocalcin 2, T7-tagged

Cat. No. STC2-201H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human STC2 (1-302 aa) is expressed in E.Coli with a T7 tag at N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-302 a.a.
Description	STC2 is a homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The encoded 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. Constitutive over expression of human stanniocalcin 2 in mice resulted in pre- and postnatal growth restriction, reduced bone and skeletal muscle growth, and organomegaly. Expression of this gene is induced by estrogen and altered in some breast cancers.
MW	33249 Da.
Purity	90%.
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100.0.002% NaN3. 10mM DTT.

 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

Application MS. SDS.

GENE INFORMATION

Gene Name STC2 stanniocalcin 2 [Homo sapiens]

Synonyms STC2; stanniocalcin 2; STC-2; STCRP; STC-related protein; stanniocalcin-related protein; Stanniocalcin-2; Stanniocalcin-related protein

Gene ID 8614

mRNA Refseq NM_003714

Protein Refseq NP_003705

MIM 603665

UniProt ID O76061

Chromosome Location 5q35.2

Function hormone activity

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