

STC2 / Stanniocalcin 2 Recombinant Protein | STC2 recombinant protein

Recombinant Human STC2 / Stanniocalcin 2 Protein (Fc tag)

CATALOG #
AAA173526

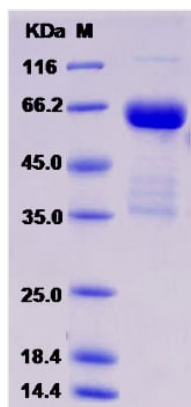
PRODUCT SYNONYMS

STC2 / Stanniocalcin 2; Recombinant Human STC2 / Stanniocalcin 2 Protein (Fc tag); STC2; STC2 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	> 85 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol, 0.01% Tween80
Sequence Length	302
Predicted N Terminal	Thr 25
Source	Human
Expression Host	Human cells
Protein Construction	A DNA sequence encoding the human STC2 (O76061) (Met1-Arg302) was expressed with the Fc region of human IgG1 at the C-terminus.
Molecular Mass	The recombinant human STC2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 519 amino acids and has a predicted molecular mass of 57.7 kDa. The apparent molecular mass of the protein is approximately 63 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per mug of the protein as determined by the LAL method
Reconstitution	It is recommended that sterile water (200ul) be added to the vial to prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis
Preparation and Storage	Storage: Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted and be used as soon as possible. Avoid repeated freeze-thaw cycles. Stability: Samples are stable for up to twelve months from date of receipt at -70°C

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for STC2 recombinant protein	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 10 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 homeostasis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507267
NCBI GeneID	8614
NCBI Accession #	NP_003705.1
NCBI GenBank Nucleotide #	NM_003714.2
UniProt Accession #	O76061
NCBI Official Full Name	stanniocalcin-2
NCBI Official Synonym Full Names	stanniocalcin 2
NCBI Official Symbol	STC2
NCBI Official Synonym Symbols	STC-2; STCRP
NCBI Protein Information	stanniocalcin-2
UniProt Protein Name	Stanniocalcin-2
UniProt Gene Name	STC2
UniProt Synonym Gene Names	STC-2; STC-related protein; STCRP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/stc2-recombinant-protein/173526>