Recombinant Human STC2/Stanniocalcin 2 Protein (His

Tag)

Catalog Number: PKSH030583



Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Descri	ntian
	117 (1) (1)

Synonyms STC-2;STCRP

Species Human

Expression Host HEK293 Cells
Sequence Met 1-Arg302

AccessionO76061Calculated Molecular Weight32.1 kDaObserved molecular weight35-42 kDaTagC-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4

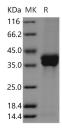
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

STC2 is a secreted; homodimeric glycoprotein which expressed in a wide variety of tissues. STC2 has an antihypocalcemic 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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