

## Recombinant Human STC1 Protein, His-tagged

Cat. No. STC1-676H Lot. No. (See product label)

### SPECIFICATION

|                      |                                                                                                                                                           |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview     | Recombinant human STC1 (NP_003146.1) (Met1-Ala247) was expressed with a polyhistidine tag at the C-terminus.                                              |
| Species              | Human                                                                                                                                                     |
| Source               | HEK293                                                                                                                                                    |
| ProteinLength        | 1-247 a.a.                                                                                                                                                |
| Predicted N Terminal | Thr 18                                                                                                                                                    |
| Form                 | Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.                                                                                     |
| Molecular Mass       | The recombinant human STC1 consists 241 amino acids and predicts a molecular mass of 27.4 kDa.                                                            |
| Endotoxin            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                           |
| Purity               | >95 % as determined by SDS-PAGE.                                                                                                                          |
| Stability            | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                 |
| Storage              | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                            |                                              |
|----------------------------|----------------------------------------------|
| <b>Gene Name</b>           | STC1 stanniocalcin 1 [ Homo sapiens ]        |
| <b>Official Symbol</b>     | STC1                                         |
| <b>Synonyms</b>            | STC1; stanniocalcin 1; STC; stanniocalcin-1; |
| <b>Gene ID</b>             | 6781                                         |
| <b>mRNA Refseq</b>         | NM_003155                                    |
| <b>Protein Refseq</b>      | NP_003146                                    |
| <b>MIM</b>                 | 601185                                       |
| <b>UniProt ID</b>          | P52823                                       |
| <b>Chromosome Location</b> | 8p22-p12                                     |

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