

## PRODUCT DATA SHEET

### Stanniocalcin 1 Human HEK293

**Cat. No.:** RD172095100

**Size:** 0.1 mg

**Source:** HEK293

**Type:** Recombinant protein

**Species:** Human

**Other Names:**

STC1, STC

**Description:**

Total 240 AA. Mw: 25.9 kDa (calculated). C-Terminal Flag-tag, 10 AA. The AA sequence is identical to Swiss-Prot- P52823.

**Amino Acid Sequence:**

THEAEQNDSV SPRKSRVAAQ NSAEVVRCLN SALQVGCQAF ACLENSTCDT DGMVDICKSF  
LYSAAKFDTQ GKAFVKESLK CIANGVTSKV FLAIRRCSTF QRMIAEVQEE CYSKLVNCSI  
AKRNPEAITE VVQLPNHFSN RYYNRLVRSI LECDEDTVST IRDSLMEKIG PNMASLFHIL  
QTDHCAQTHP RADFNRRRTN EPQKLKVLRL NLRGEEDSPS HIKRTSHESA ASDYKDDDDK

His 2 to Glu 5 were confirmed by N-terminal sequencing

**Purity:**

> 90 % by SDS-PAGE

**Endotoxin:**

< 1.0 EU/μg

**Formulation:**

Filtered (0.4 μm) and lyophilized in 0.5 mg/mL in 20 mM Tris buffer, 50 mM NaCl, pH 7.5

**Reconstitution:**

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.