

Human STC 1 Recombinant Protein



RPPB5757

Product Information Protein Information

Product SKU:

RPPB5757

Accession:

P52823

Host:

293 cell line (Human embryonic kidney).

Protein description:

Stanniocalcin-1 Human Recombinant produced in 293 cell line is a single, glycosylated, polypeptide chain containing 240 amino acids and having a total molecular mass of 25.9 kDa. The Stanniocalcin contains two extra residues which were used as a spacer and 8 residues form the C-Terminal Flag- tag. Stanniocalcin is purified by proprietary chromatographic techniques. The amino acid sequence of the recombinant human Stanniocalcin-1 is 100% homologous to the amino acid sequence AA 18-247 of the human mature Human Stanniocalcin-1.

Appearance:

White lyophilized (freeze-dried) powder.

Synonyms:

Stanniocalcin-1, STC, STC-1.

Formulation:

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

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

Add deionized water to a working concentration approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by appropriate sterile filter before using it in the cell culture.

Stability:

Lyophilized STC-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Stanniocalcin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

THEAEQNDSV SPRKSRVAAQ NSAEVVRCLN SALQVGGCAF ACLENSTCDT DGMVDICKSF LYSAAKFDTQ GKAFVKESLK CIANGVTSKV FLAIRRCSTF QRMIAEVQEE CYSKLVNCSI AKRNPEAITE VVQLPNHFSN RYYNRLVRS LECDEDTVST IRDSLMEKIG PNMASLFHIL QTDHCAQTHP RADFNRRRTN EPQKLVLLR NLRGEEDSPS HIKRTSHESA ASDYKDDDDK.