

Stanniocalcin-1 Human Recombinant

Item Number	rAP-2600
Synonyms	Stanniocalcin-1, STC, STC-1.
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
Uniprot Accession Number	P52823
Amino Acid Sequence	THEAEQNDSV SPRKSRVAAQ NSAEVVRCLN SALQVGCGAF ACLENSTCDT DGMYDICKSF LYSAAK-FDTQ GKAFVKESLK CIANGVTSKV FLAIRRCSTF QRMIAEVQEE CYSKLNVCIS AKRNPEAITE VVQLPNHFSN RYYNRLVRS LECDEDTVST IRDSLMEKIG PNMASLFHIL QTDHCAQTHP RAD-FNRRRTN EPQKLKVLRL NLRGEEDSPS HIKRTSHESA ASDYKDDDDK.
Source	293 cell line (Human embryonic kidney).
Physical Appearance and Stability	White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Filtered (0.4µm) and lyophilized in 0.5mg/ml in 20mM Tris buffer, 50mM NaCl, pH 7.5. Greater than 95.0% as determined by SDS-PAGE.
Application	
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.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**