

Human STC 2 Recombinant Protein



RPPB5758

Product Information Protein Information

Product SKU:

RPPB5758

Accession:

O76061

Host:

HEK 293 cell line
(Human embryonic
kidney).

Protein description:

Stanniocalcin-2 Human Recombinant produced in HEK 293 cell line is a single, glycosylated, polypeptide chain containing 289 amino acids and having a total molecular mass of 31.9kDa (calculated). The Stanniocalcin contains four 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-2 is 100% homologous to the amino acid sequence AA 25-302 of the human mature Human Stanniocalcin-2.

Appearance:

White lyophilized (freeze-dried) powder.

Synonyms:

Stanniocalcin-2, STC, STC2, STCRP, STC-2, Stanniocalcin-related protein, STC-related protein.

Formulation:

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

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Solubility:

Add deionized water to a working concentration approximately 0.5 mg/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-2 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:

TDATNPPEGP QDRSSQQKGR LSLQNTAEIQ HCLVNAGDVG CGVFECFENN SCEIRGLHGI
CMTFLHNAGKFDAQKGSFIK DALKCKAHAL RHRFGCISRK CPAIREMVSQ LQRECYLKHD LCAAAQENTR
VIVEMIHFKDLLLHEPYVDL VNLLTCGEE VKEAITHSVQ VQCEQNWGSL CSILSFCTSA IQKPPTAPPE
RQPQVDRTKLSRAHHGEAGH HLPEPSSRET GRGAKGERGS KSHPNAHARG RVGGLGAQGP SGSSEWEDEQ
SEYSDIRAAADYKDDDDK.