

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

STC2, 25-302aa, Human, His tag, E.coli

产品货号: TP04057

第三版

别名: Stanniocalcin-2, STC-2, STCRP

描述: STC2 is a secreted, homodimeric glycoprotein that is expressed in a wide variety of tissues and may have autocrine or paracrine functions. The protein has 10 of its 15 cysteine residues conserved among stanniocalcin family members and is phosphorylated by casein kinase 2 exclusively on its serine residues. Its C-terminus contains a cluster of histidine residues which may interact with metal ions. The protein may play a role in the regulation of renal and intestinal calcium and phosphate transport, cell metabolism, or cellular calcium/phosphate homeostasis. Expression of this gene is induced by estrogen and altered in some breast cancers. Recombinant human STC2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.25M NaCl, 30% glycerol, 1mM DTT.

分子量: 33kDa (301aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSTDATNPPEGPQDRSSQQKGRLSLQNTAEIQHCLVNAGDVGCGVFECFENNSCEIR
GLHGICMTFLHNAGKFDAQGKSFIKDALKCKAHALRHRFGCISRKCPAIREMVSQIQRECYLKHDLCAAAQENTRVIVE
MIHFKDLLLHEPYVDLVNLLLTCGEEVKEAITHSVVQVQCEQNWGSLCSILSFCTSAIQKPPTAPPERQPQVDRTKLSRAHH
GEAGHHLPEPSSRETGRGAKGERGSKSHPNAHARGRVGGLGAQGPSGSSEWEDEQSEYSDIRR

纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.