

TFF1, 25-84aa, Human, His tag, E.coli

Cat.NO.: TP04184

3th Edition

Synonyms:Trefoil factor 1, pS2, BCEI, HPS2, HP1.A, pNR-2

Description:TFF1 (Trefoil factor 1) is member of trefoil family, characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. Trefoil peptides are protease resistant molecules secreted throughout the gut that play a role in mucosal healing. TFF1 has also been detected in a number of carcinomas including cancers of the breast, pancreas and stomach. Recombinant human TFF1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl, 0.1mM PMSF

Molecular Weight:9.0kDa (81aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMEAQTETCTVAPRERQNCGFPGVTPSQCANKGCCFDDTVRGVPWCFYPNTIDV
PPEEECEF

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.