

Recombinant human TFF1 protein

Catalog Number: ATGP1129

PRODUCT INFORMATION

Expression system

E.coli

Domain

25-84aa

UniProt No.

P04155

NCBI Accession No.

NP_003216

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

9 kDa (81aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MEAQTTCTV APRERQNCGF PGVTPSQCAN KGCCFDDTVR GVPWCFYPNT IDVPPEEECE
F

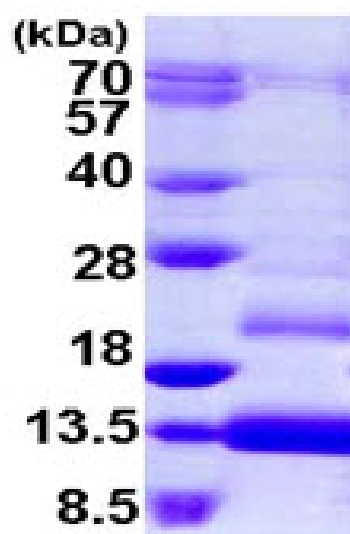
General References

May FE., et al. (1997). J. Pathol. 183: 4-7.

Gott P, et al. (1997). Eur J Hum Genet 4 (6): 308-15.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)