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TFF-3, human recombinant protein
Trefoil factor 3
Catalog # PBV10396r

Specification

TFF-3, human recombinant protein - Product info

Primary Accession	Q07654
Calculated MW	**13.2 kDa KDa**

TFF-3, human recombinant protein - Additional Info

Gene ID	**7033**
Gene Symbol	**TFF3**

Other Names
Trefoil factor 3 (Intestinal trefoil factor) (hITF) (Polypeptide P1.B) (hP1.B)

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE; ≥97%**
Assay2&Purity2	**HPLC; ≥97%**
Recombinant	**Yes**
Results	**1.0-10.0 ng/ml.**
Sequence	**EEYVGLSANQ CAVPAKDRVD CGYPHVTPKE CNNRGCCFDS RIPGVPWCFK PLQEAECTF**

Application Notes
. Reconstitute in sterile 18 MΩ-cm H_2O at not less than 100 µg/ml. Reconstituted TFF3 should be stored in working aliquots at -20°C.

Format
Lyophilized protein

Storage
-20°C; Sterile filtered white powder lyophilized from a solution containing PBS pH 7.4

TFF-3, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TFF-3, human recombinant protein - Images

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TFF-3, human recombinant protein - Background

Proteins of the TFF family are characterized by having at least 1 copy of the trefoil motif, a 40-amino acid domain that contains 3 conserved disulfides. Trefoil Factors are stable secretory proteins expressed in gastrointestinal mucosa which protect the mucosa from insults, stabilize the mucus layer and affect healing of the epithelium. TFF3 induces ciliogenesis and promotes airway epithelial ciliated cell differentiation, through an EGFR-dependent pathway.TFF-3 is normally expressed in hepatocellular carcinoma and its overexpression is crucial for progression in mouse and human hepatocellular carcinogenesis. TFF-3 Human Recombinant produced in E.Coli is a homodimeric, non-glycosylated, polypeptide chain containing 2 x 59 amino acid chains which includes a 40 amino acid trefoil motif containing 3 conserved disulfide bonds and has MW = 13.2 kDa. TFF-3 Human Recombinant is purified by proprietary chromatographic techniques.

TFF-3, human recombinant protein - References

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Seib T.,et al.Genomics 40:200-202(1997).
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