

## **Product datasheet for TP762202**

## OriGene Technologies, Inc.

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## FGF10 (NM\_004465) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Human fibroblast growth factor 10 (FGF10), Gln38-End, with

N-terminal His tag, expressed in E.coli, 50ug

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

A DNA sequence encoding the region(Gln38-End) of FGF10

Tag: N-His

Predicted MW: 19.3 kDa

**Concentration:** >0.05 μg/μL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 50 mM Tris-HCl, pH 8.0, 8 M urea

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** NP 004456

**Locus ID:** 2255 **UniProt ID:** 015520

RefSeq Size: 627

**Cytogenetics:** 5p12

RefSeq ORF: 624



**Summary:** The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family.

FGF family members possess broad mitogenic and cell survival activities, and are involved in

a variety of biological processes, including embryonic development, cell growth,

morphogenesis, tissue repair, tumor growth and invasion. This protein exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung

morphogenesis, and initiation of lim bud formation. This gene is also implicated to be a

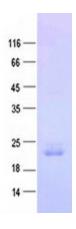
primary factor in the process of wound healing. [provided by RefSeq, Jul 2008]

Protein Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS,

Secreted Protein, Transcription Factors, Transmembrane

**Protein Pathways:** MAPK signaling pathway, Melanoma, Pathways in cancer, Regulation of actin cytoskeleton

## **Product images:**



Purified recombinant protein FGF10 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.