

Recombinant human FGF-10 protein

Catalog Number: ATGP1387

PRODUCT INFORMATION

Expression system

E.coli

Domain

38-208aa

UniProt No.

O15520

NCBI Accession No.

NP_004456.1

Alternative Names

Fibroblast growth factor 10, Keratinocyte growth factor 2

PRODUCT SPECIFICATION

Molecular Weight

22.0 kDa (196aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.2M NaCl, 2mM DTT, 2mM EDTA

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

FGF10, also known as fibroblast growth factor 10, 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 limb bud formation. FGF10 is also implicated to be a primary

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factor in the process of wound healing. Recombinant human FGF10 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSHM>QALGQ DMVSPEATNS SSSSFSSPSS AGRHVRSYNH LQGDVWRWRL
FSFTKYFLKI EKNGKVS GTK KENC PYSILE ITSVEIGVVA VKAINS NYL AMNKKGKLYG SKEFNNDCKL KERIEENGYN
TYASFNWQHN GRQMYVALNG KGAPRRGQKT RRKNTSAHFL PMVVHS

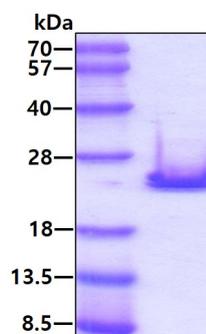
General References

Entesarian M., et al. (2005) Nat. Genet. 37:125-127

Milunsky J.M., et al. (2006) Clin. Genet. 69:349-354

DATA

SDS-PAGE



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