

## Recombinant Human FGF14, His-tagged

**Cat. No.** FGF14-7617H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human FGF14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-247aa                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | FGF14 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. A mutation in this gene is associated with autosomal dominant cerebral ataxia. Alternatively spliced transcript variants have been found for this gene. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 5mM DTT.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 30kDa (271aa)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MGSSHHHHHH SGLVPRGSH MGSMAAAIA SGLIRQKRQA REQHWDRPSA<br>SRRRSSPSKN RGLCNGNLVD IFSKVRIFGL KKRRRLRRQDP QLKGVITRLY<br>CRQGYLQMH PDGALDGTKD DSTNSTLFNL IPVGLRVVAI QGVKTGLYIA<br>MNGEGYLYPS ELFTPECKFK ESVFENYYYI YSSMLYRQQE SGRAWFLGLN                                                                                                                                                                                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KEGQAMKGNR VKKTKPAAHF LPKPLEVAMY REPSLHDVGE TVPKPGVTPS  
KSTSASAIMN GGKPVNKS KT T

**Purity** >90% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25 mg/ml

## GENE INFORMATION

**Gene Name** FGF14 fibroblast growth factor 14 [ Homo sapiens ]

**Official Symbol** FGF14

**Synonyms** FGF14; fibroblast growth factor 14; FHF4; SCA27; bA397O8.2; fibroblast growth factor homologous factor 4; FHF-4; FGF-14; MGC119129;

**Gene ID** 2259

**mRNA Refseq** NM\_004115

**Protein Refseq** NP\_004106

**MIM** 601515

**UniProt ID** Q92915

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chromosome Location</b> | 13q34                                                                                                                                                                                                                                                                                                                                                  |
| <b>Pathway</b>             | MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Melanoma, organism-specific biosystem; Melanoma, conserved biosystem; Pathways in cancer, organism-specific biosystem; Regulation of Actin Cytoskeleton, organism-specific biosystem; Regulation of actin cytoskeleton, organism-specific biosystem; |
| <b>Function</b>            | NOT fibroblast growth factor receptor binding; growth factor activity; heparin binding;                                                                                                                                                                                                                                                                |

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