# Recombinant Human FGF14, His-tagged

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

## SPECIFICATION

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| **Product Overview** | Recombinant human FGF14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 1-247aa |
| **Description** | 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. |
| **Form** | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 5mM DTT. |
| **Molecular Mass** | 30kDa (271aa) |
| **AA Sequence** | MGSSHHHHHH SSGLVPRGSH MGSHMAAAIA SGLIRQKRQA REQHWDRPSA SRRRSSPSKN RGLCNGNLVD IFSKVRIFGL KKRRLRRQDP QLKGIVTRLY CRQGYYLQMH PDGALDGTKD DSTNSTLFNL IPVGLRVVAI QGVKTGLYIA MNGEGYLYPS ELFTPECKFK ESVFENYYVI YSSMLYRQQE SGRAWFLGLN |

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| | KEGQAMKGNR VKKTKPAAHF LPKPLEVAMY REPSLHDVGE TVPKPGVTPS KSTSASAIMN GGKPVNKSKT 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

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| **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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| **Chromosome Location** | 13q34 |
| **Pathway** | 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; |
| **Function** | NOT fibroblast growth factor receptor binding; growth factor activity; heparin binding; |

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