

**FGF14, 1-247aa, Human, His tag, E.coli**

**Cat.NO.: TP02118**

3th Edition

**Synonyms:**Fibroblast growth factor 14 isoform 1A, FGF-14, FHF-4, FHF4, SCA27

**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. Recombinant human FGF14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 5mM DTT.

**Molecular Weight:**30kDa (271aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMAAAIASGLIRQKRQAREQHWDRPSASRRRSPSKNRGLCNGNLVDIFSK  
VRIFGLKKRRLRRQDPQLKGIVTRLYCRQGYLQMHPDGDGTDKDDSTNSTLFNLIPVGLRVVAIQGVKTGLYIAM  
NGEGYLYPSELFTEPECKFKESVFENYYVIYSSMLYRQQESGRAWFLGLNKEGQAMKGNRVKKTTPAAHFLPKPLE  
VAMYREPSLHDVGETVPKPGVTPSKSTSASAIMNGGKPVNKSSTT

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.