



Fibroblast Growth Factor 14, human recombinant (rhuFGF14)

Catalog No: 99919
Lot No: XXXXX
Source: *E. coli*
Synonyms: Fibroblast growth factor 14, FGF-14, Fibroblast growth factor homologous factor 4, FHF-4, FGF14, FHF4, SCA27, bA397O8.2

Background

Fibroblast growth factor 14 (FGF14) belongs to the fibroblast growth factor (FGF) family. FGF family members have broad mitogenic and cell survival activities, and are involved in various biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF14 gene mutation is linked to autosomal dominant cerebral ataxia.

Description

FGF14 Human Recombinant, produced in *E. coli*, is a single, non-glycosylated polypeptide chain containing 271 amino acids (1-247 aa). It has a molecular mass of 30 kDa. FGF14 is fused to a 24 amino acid His-tag at N-terminus and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered, colorless solution.

Formulation

FGF14 protein solution (0.25 mg/ml) contains 20 mM Tris-HCl buffer, (pH 8.0), 0.2 M NaCl, 50% glycerol and 5 mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.