
Product Data Sheet

Product Name: FGF14 Human
 Cat. No.: GP20232
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fibroblast growth factor 14; FGF-14; Fibroblast growth factor homologous factor 4; FHF-4; FGF14; FHF4; SCA27; bA39708.2.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAAAIA SGLIRQKRQA REQHWDRPSA SRRRSSPSKN RGLCNGNLVD IFSKVRIFGL KKRRLRRQDP QLKGVTRLY CRQGYLQMH PDGALDGTKD DSTNSTLFNL IPVGLRVVAI QGVKTGLYIA MNGEGYLYPS ELFTPECKFK ESVFENYYVI YSSMLYRQQE SGRAWFLGLN KEGQAMKGNR VKKTKPAAHF LPKPLEVAMY REPSLHDVGE TVPKPGVTPS KSTSASAIMN GGKPVNKS KT T.		
Formulation	FGF14 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.2M NaCl, 50% glycerol and 5mM DTT.		

Introduction

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 a various biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF14 gene mutation is linked with autosomal dominant cerebral ataxia.

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.

Background

FGF14 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 271 amino acids (1-247 a.a) and having a molecular mass of

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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30kDa.FGF14 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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