
Product Data Sheet

Product Name: FGF 22 Human
 Cat. No.: GP20252
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Fibroblast growth factor 22; FGF-22.		
Amino Acid Sequence	MTPSASRGPR SYPHLEGDVR WRRLFSSTHF FLRVDPGGRV QGTRWRHGQD SILEIRSVHV GVVVIKAVSS GFYVAMNRRG RLYGSRLYTV DCRFRERIEE NGHNTYASQR WRRRGQPMFL ALDRRGGPRP GGRTRRYHLS AHFLPVLVS.		
Solubility	It is recommended to reconstitute the lyophilized Fibroblast Growth Factor-22 sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The sterile protein powder is lyophilized with no additives.		

Introduction

FGF22 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. The mouse homolog of this gene was found to be preferentially expressed in the inner root sheath of the hair follicle, which suggested a role in hair development.

Stability

Lyophilized Fibroblast Growth Factor 22 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution FGF-22 should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Background

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

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Fibroblast Growth Factor-22 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 149 amino acids and having a molecular mass of 17.3 kDa. The FGF-22 is purified by chromatographic techniques.

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