
Product Data Sheet

Product Name: FGF 18 Human, His
 Cat. No.: GP20241
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Fibroblast growth factor 18; FGF-18; zFGF5; FGF18.		
Amino Acid Sequence	MKHHHHHHASEENVDFRIHV ENQTRARDDV SRKQLRLYQL YSRTSGKHIQ VLGRRISARG EDGDKYAQLL VETDTFGSQV RIKGKETEFY LCMNRKGKLV GKPDGTSKEC VFIEKVLENN YTALMSAKYS GWYVGFTKKG RPRKGPKTRE NQQDVHFMKR YPKGQPELQK PFKYTTVTKR SRRIRPTHPA.		
Solubility	It is recommended to add 200 μ l deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. FGF18 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	FGF18 was filtered (0.4 μ m) and lyophilized in phosphate buffered saline and 5% w/v trehalose.		

Introduction

Fibroblast growth factor 18 (FGF18) is a member of the large FGF family which has at least 23 members. FGF18 is a binding growth factor with a core 120 amino acid FGF domain which allows for a common tertiary structure. FGFs are expressed in the course of the embryonic development and in restricted adult tissues. FGF-18 is an indispensable regulator of long bone and calvarial development. FGF-18 signals via FGFR 1c, 2c, 3c, and 4.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

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

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Background

FGF18 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Glu28-Ala207) containing 190 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 22.3kDa.

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