
Product Data Sheet

Product Name: KGF 2 His Human
 Cat. No.: GP20682
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	FGFA; FGF10; FGF-10; KGF-2; Fibroblast growth factor 10.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMQALGQ DMVSPEATNS SSSFSSPSS AGRHVRSYNH LQGDVRWRKL FSFTKYFLKI EKNGKVS GTK KENC PYSILE ITSVEIGVVA VKAINS NYL AMNKKGKLYG SKEFNNDCKL KERIEENGYN TYASFNWQHN GRQMYVALNG KGAPRRGQKT RRKNTSAHFL PMVVHS		
Formulation	The KGF 2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl 2mM DTT, 2mM EDTA and 50% glycerol.		

Introduction

KGF-2 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. FGF-10 exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of limb bud formation. This gene is also implicated to be a primary factor in the process of wound healing.

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

KGF 2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide

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

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chain containing 196 amino acids (38-208) and having a molecular mass of 22.0kDa.KGF 2 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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