9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KGF 2 Rat

Keratinocyte Growth Factor-2 Rat Recombinant
GRF0195

Product Overview

Name	KGF 2 Rat

Description

Keratinocyte Growth Factor-2 Rat Recombinant

Accession (Primary)	P70492

Synonyms

FGFA, FGF10, FGF-10, KGF-2, Fibroblast growth factor 10.

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 lim bud formation. This gene is also implicated to be a primary factor in the process of wound healing.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in 1×PBS, pH 7.4 containing 5% trehalose.

Stability

Lyophilized KGF 2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution KGF 2 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.

Purity

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

QALGQDMVSP EATNSSSSSS SSSSSSSFSS PSSAGRHVRS YNHLQGDVRW RKLFSFTKYF LKIEKNGKVS

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GTKKENCPYS ILEITSVEIG VVAVKAINSN YYLAMNKKGK LYGSKEFNND CKLKERIEEN GYNTYASFNW QHNGRQMYVA LNGKGAPRRG QKTRRKNTSA HFLPMVVHS

Biological Activity