9051 Mira Mesa Blvd, #910094
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# KGF 2 Mouse

*Keratinocyte Growth Factor-2 Mouse Recombinant*
*GRF0194*

## Product Overview

| | |
|---|---|
| Name | KGF 2 Mouse |

**Description**

Keratinocyte Growth Factor-2 Mouse Recombinant

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|---|---|
| Accession (Primary) | O35565 |

**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**

QALGQDMVSQ EATNCSSSSS SFSSPSSAGR HVRSYNHLQG DVRWRRLFSF TKYFLTIEKN GKVSGTKNED

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CPYSVLEITS VEIGVVAVKA INSNYYLAMN KKGKLYGSKE FNNDCKLKER IEENGYNTYA SFNWQHNGRQ MYVALNGKGA PRRGQKTRRK NTSAHFLPMT IQT

**Biological Activity**