



**Catalog Number:** PR27048

**Product Type:** Recombinant Protein

**Source:** *E.Coli*

**Amino Acid Sequence:** The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Glu-Gln-Asp.

**Description:** Keratinocyte Growth Factor-2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 170 amino acids and having a molecular mass of 19300 Dalton. Keratinocyte Growth Factor 2 is highly related to KGF-1(FGF-7), it binds to the same receptor as KGF-1 and shares 57% sequence homology. The FGF10 is purified by proprietary chromatographic techniques.

**Protein Content:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm using the absorbency value of 1.79 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).  
2. Analysis by RP-HPLC, using a calibrated solution of KGF-2 as a Reference Standard.

**Purity:** Greater than 98.0% as determined by SDS-PAGE.

**Format:** The protein was lyophilized from a concentrated (1mg/ml) solution with no additives.

**Reconstitution:** It is recommended to reconstitute the lyophilized Keratinocyte Growth Factor in sterile 18M $\omega$ -cm H<sub>2</sub>O not less than 100 $\mu$ g/ml, which can then be further diluted to other aqueous solutions.

**Storage:** Lyophilized Keratinocyte Growth Factor1 although stable at room temperature for 3 week should be stored desiccated below -18°C. Upon reconstitution FGF7 should be stored at 4° between 2-7 days and for future use below -18°C. For long term storage it is recommended add a carrier protein (0.1% HSA or BSA).  
**Please avoid freeze-thaw cycles.**

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Neuromics • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics.com](mailto:pshuster@neuromics.com)