

# Mouse KGF 2 Recombinant Protein



RPPB0700

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## Product Information    Protein Information

**Product SKU:**

RPPB0700

**Accession:**

O35565

**Host:**

Escherichia Coli.

**Protein description:**

KGF 2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 173 amino acids and having a molecular mass of 19.5kDa. The KGF 2 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

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

**Purity:**

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

**Solubility:**

It is recommended to reconstitute the lyophilized KGF 2 Mouse Recombinant in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**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.

**Amino Acid Sequence:**

QALGQDMVSQ EATNCSSSSS SFSSPSSAGR HVRSYNHLQG DVRWRRLFSF TKYFLTIEKN GKVSGTKNED  
CPYSVLEITS VEIGVVAVKA INSNYLAMN KKGKLYGSKE FNNDCKLKER IEENGYNTYA SFNWQHNGRQ  
MYVALNGKGA PRRGQKTRRK NTAHFLPMT IQT

**Biological Activity:**

Fully biologically active when compared to standard. The ED<sub>50</sub> as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is <0.5ng/ml.