

KGF 2 His Human

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

Catalog #: CYPs-136

For research use only.

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

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSHMQALGQ DMVSPEATNS
SSSSFSPSS AGRHVRSYNH LQGDVRWRKL FSFTKYFLKI EKNGKVSGTK KENCPSYLE
ITSVEIGVVA VKAINSYYL AMNKGKLYG SKEFNNDCKL KERIEENGYN TYASFNWQHN
GRQMYVALNG KGAPRRGQKT RRKNTSAHFL PMVVHS

Purity: Greater than 95% as determined by SDS-PAGE.

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.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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 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.

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