

Recombinant Human FGF-7

Cat. #: SF7-010

Product Specifications

- Expression of Human Proteins in Human Cells
- Extremely Low Endotoxin Level
- High Purity
- Animal Free and Xeno Free
- Tag Free

Protein Description

FGF-7 (KGF) is a member of the fibroblast growth factor family. FGF-7 is expressed in mesenchymal origin cells. FGF-7 plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. FGF-7 is required for normal branching morphogenesis, growth factor active on keratinocytes. FGF-7 is possible major paracrine effector of normal epithelial cell proliferation.

References

Finch PW, et al. (1989) Science 245, 752-755.

Aaronson SA, et al. (1991) Ann. NY Acad. Sci. 638, 62-77.

Werner S, et al. (2007) J. Invest. Dermatol. 127, 998.

Source: Derived from human cells

Size: 10 µg

Shipping: Ambient temperature

Structure: Glycosylated homodimer

Purity: >95% by SDS-PAGE

Endotoxin Level: <0.5 EU/µg

Molecular Weight: 17-30 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein

Activity Assay

Activity was measured by its ability to stimulate the proliferation of 4MBr-5 cells (monkey epithelial cell line).

Reconstitution

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

Stability and Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80° C as supplied. 1 month, 2 to 8° C under sterile conditions after reconstitution. 3 months, -20 to -80° C under sterile conditions after reconstitution.

