Recombinant Human FGF-4

Cat. #: SF4-010

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- 4 is a heparin binding growth factor that belongs to the fibroblast growth factor family. FGF-4 is proposed to play a physiologically relevant role in the regulation of embryonic development, cell proliferation, and cell differentiation. It is required for normal limb and cardiac valve development during embryogenesis.

References

Mayshar Y, et al. (2008) Stem Cells 26, 767-774.

Ornitz DM, et al. (1996) J. Biol. Chem. 271, 15292-15297.

Hebert JM, et al. (1990) Dev. Biol. 138, 454.

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: 17-27 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 proliferation of 3T3 mouse fibroblast cells.

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.

ALSTEM CELL ADVANCEMENTS

2600 Hilltop Drive, Building B, Suite C328, Richmond, CA 94806

Tel: (510) 708-0096 | Fax: (866) 605-8766 | www.alstembio.com | info@alstembio.com