

Recombinant Human FGF-4

Catalog Number: **HZ-1218**

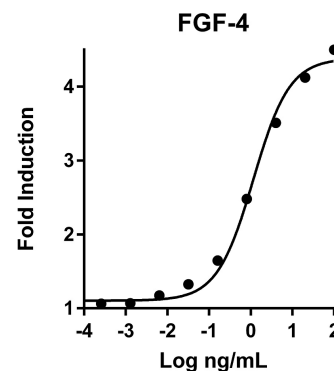
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	human
Expression	HEK293
Activity	Typically ≤ 1.25 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	17 and 27 kDa, monomer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	2249



The activity was determined by the dose-dependent stimulation of the proliferation of the Balb/3T3 cell line using the Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

Reconstitution Buffer

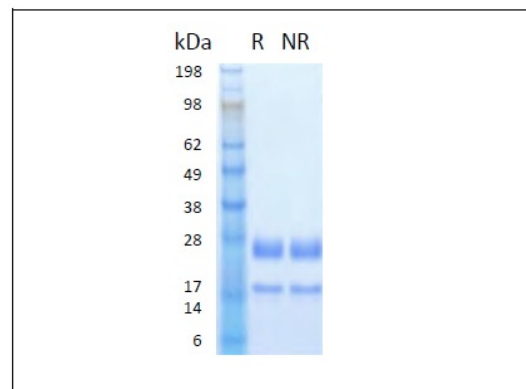
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1x PBS.

Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

Animal-free Recombinant Human FGF-4 is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 17 and 27 kDa. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. Authentic glycosylation contributes to stability in cell growth media and other applications. FGF-4 plays an important physiological role in the self-renewal of human embryonic stem cells. It also promotes stem cell proliferation. Furthermore, FGF-4 may also aid differentiation which additionally relies on context and concentration.



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Synonyms

FGF 4, FGF4, FGF-4, fibroblast growth factor 4, HBGF 4, HST, HST 1, HSTF 1, HSTF1, K FGF, KFGF, KS3, Transforming protein KS3

For technical support and original validation data for this product please contact:

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