

FGF4

Recombinant Human Fibroblast Growth Factor-4

Catalog No.	CRF003A	Quantity:	5 µg
	CRF003B		25 µg
	CRF003C		1 mg
	CRF003D		100 µg

Alternate Names: HBGF-4, HST, HST-1, HSTF1, K-FGF, KFGF

Description: Fibroblast Growth Factor 4 (FGF-4) is a growth factor predominantly expressed during embryonic development, playing a key role in limb development. In culture, FGF-4 has been shown to be an important regulator of growth for stem cells, fibroblasts and endothelial cells. Unglycosylated FGF-4 is N-terminally cleaved into 13 kDa or 15 kDa proteins that are more active than the precursor 19 kDa protein, Bellosa P, et al. (1993). Human FGF-4 shares high homology and cross-reactivity with the mouse protein. Recombinant human FGF-4 is a non-glycosylated protein containing 140 amino acids

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Gene ID: 2249

Protein Accession No: P08620

Source: *E. coli*

Molecular Weight: 15 kDa

Formulation: Recombinant human FGF-4 is lyophilized with 0.5 x PBS, pH 7.5.

Purity: Greater than 98% determined by: Reducing and Non-reducing SDS-PAGE.

Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein.

Biological Activity: The activity is determined by its ability to induce the proliferation of mouse NR6R 3T3 fibroblasts and is typically 0.25-1.25 ng/mL.

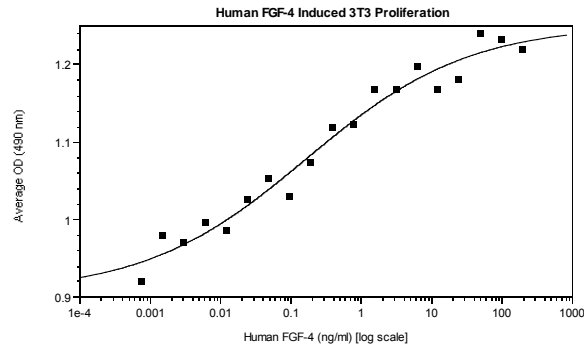
Amino Acid Sequence: AAVQSGAGDY LLGIKRLRRL YCNVGIGFHL QALPDGRIGG AHADTRDSLL
ELSPVERGVV SIFGVASRFF VAMSSKGKLY GSPFFTDECT FKEILLPNNY
NAYESYKYPG MFIALSKNGK TKKGNRVSP MKVTHFLPRL

Reconstitution: **Centrifuge vial prior to opening.** When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.



Storage & Stability:

Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage. **Avoid repeated freeze-thaw cycles.**



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com