

Recombinant Human FGF4

Cat No:HR2R1413

For research use only

Overview

Quantity	100 µg
Gene Symbol	FGF4
Gene ID	2249
Accession	P08620
Alternative Name	Heparin-binding growth factor 4, HBGF-4, Heparin secretory-transforming protein 1, HST, HST-1, HSTF-1, Transforming protein KS3, FGFK, KFGF, Kaposi's sarcoma associated FGF
Species	Human
Source	E. coli
Description	A member of the FGF family, FGF4 plays an important role in the regulation of embryonic development, cell proliferation, and cell differentiation. FGF4 binds to anionic glycosaminoglycans heparin and heparin sulfate with high affinity and mediates its diverse functions through the FGF receptors (FGFR) 1c, 2c, 3c, and 4. Human FGF4 is known to exhibit cross species activity with mouse, rat, bovine and canine FGF4. Recombinant Human FGF4 is a single polypeptide of 20 kDa.
Functions	The ED50 as determined by the dose-dependent stimulation of mouse fibroblasts was <0.2 ng/ml
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS (pH 8.0)
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	20
Purity	>95% as determined by SDS-PAGE
Concentration	< 1.0 EU/µg of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2° - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.