

Datasheet for ABIN7455656

FGF4 Protein[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	FGF4
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Fibroblast Growth Factor 4 is produced by our E.coli expression system and the target gene encoding Ser71-Leu206 is expressed.
Characteristics:	Extracellular Domain Protein
Purification:	Affinity purification
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	FGF4
Alternative Name:	FGF-4 (FGF4 Products)
Background:	Fibroblast growth factor 4(FGF-4) is a heparin binding member of the FGF family. The human FGF4 cDNA encodes 206 amino acids (aa) with a 33 aa signal sequence and a 173 aa mature protein with an FGF homology domain that contains a heparin binding region near the C-terminus. Mature human FGF4 shares 91 % , 82 % , 94 % and 91 % aa identity with mouse, rat, canine and bovine FGF4, respectively. Human FGF-4 has been shown to exhibit cross species

Target Details

activity. Expression of FGF-4 and its receptors, FGF R1c, 2c, 3c and 4, is spatially and temporally regulated during embryonic development. FGF-4 is proposed to play a physiologically relevant role in human embryonic stem cell selfrenewal. It promotes stem cell proliferation, but may also aid differentiation depending on context and concentration, and is often included in embryonic stem cell media in vitro. FGF-4 is mitogenic for fibroblasts and endothelial cells in vitro and has autocrine transforming potential. It is a potent angiogenesis promoter in vivo and has been investigated as therapy for coronary artery disease.

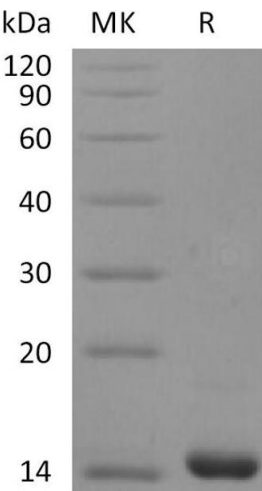
Molecular Weight:	15.1 KDa
UniProt:	P08620
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Stem Cell Maintenance

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, 5 % Trehalose, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Greater than 95 % as determined by reducing SDS-PAGE.