

Datasheet for ABIN7505112

FGF2 Protein (AA 143-288) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FGF2
Protein Characteristics:	AA 143-288
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF2 protein is labelled with His tag.

Product Details

Sequence:	Pro 143-Ser 288
Characteristics:	A DNA sequence encoding the Human bFGF/FGF2 protein (P09038) (Pro 143-Ser 288) was expressed with N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	FGF2
Alternative Name:	bFGF (FGF2 Products)
Background:	Abbreviation: bFGF,FGF2 Target Synonym: Fibroblast Growth Factor 2,FGF-2,Basic Fibroblast Growth Factor,Bfgf,Heparin-Binding Growth Factor 2,HBGF-2,FGF2,FGFB Background: FGF-basic is a members of the Fibroblast Growth Factors (FGFs) family.The

Target Details

family constitutes a large family of proteins involved in many aspects of development including cell proliferation, growth, and differentiation. They act on several cell types to regulate diverse physiologic functions including angiogenesis, cell growth, pattern formation, embryonic development, metabolic regulation, cell migration, neurotrophic effects, and tissue repair. FGF-basic is a non-glycosylated heparin binding growth factor that is expressed in the brain, pituitary, kidney, retina, bone, testis, adrenal gland liver, monocytes, epithelial cells and endothelial cells. FGF-basic signals through FGFR 1b, 1c, 2c, 3c and 4.

Molecular Weight: Calculated MW: 15.95 kDa
Observed MW: 17 kDa

UniProt: [P09038](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [C21-Steroid Hormone Metabolic Process](#), [Inositol Metabolic Process](#), [Glycosaminoglycan Metabolic Process](#), [Protein targeting to Nucleus](#), [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months