

Recombinant Human FGF2 Protein, His-tagged

Cat. No. FGF2-001H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF2 Protein (134-288 aa (isoform 18kDa)) with 6xHis tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	134-288
Description	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members bind heparin and possess broad mitogenic and angiogenic activities. This protein has been implicated in diverse biological processes, such as limb and nervous system development, wound healing, and tumor growth. The mRNA for this gene contains multiple polyadenylation sites, and is alternatively translated from non-AUG (CUG) and AUG initiation codons, resulting in five different isoforms with distinct properties. The CUG-initiated isoforms are localized in the nucleus and are responsible for the intracrine effect, whereas, the AUG-initiated form is mostly cytosolic and is responsible for the paracrine and autocrine effects of this FGF.
Molecular Mass	18.3 kDa
Purity	>90% confirmed by 10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-6xHis (WB).

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Applications	ELISA, Western Blot, Antibody Production, Protein array
Quality Control Test	10% SDS-PAGE stained with Coomassie Blue (CB), immunoblotting with anti-6His (WB) and peptide fingerprinting by MALDI-TOF mass spectrometry.
Storage	Prior to reconstitution, store the lyophilized protein at 2–8 centigrade. After reconstitution, store in working aliquots at –80 centigrade.
Expiry	All components are stable for 1 year of receipt, if stored properly.
Storage Buffer	Lyophilized from a solution containing 20mM Sodium Phosphate, 0.15M NaCl, 0.5M Imidazole, pH 7.4.
Shipping	Lyophilized at Ambient temperature
GENE INFORMATION	
Gene Name	FGF2 fibroblast growth factor 2 [Homo sapiens (human)]
Official Symbol	FGF2
Synonyms	FGF2; fibroblast growth factor 2; BFGF; FGFB; FGF-2; HBGF-2; fibroblast growth factor 2; basic fibroblast growth factor Bfgf; fibroblast growth factor 2 (basic); heparin-binding growth factor 2; prostatropin
Gene ID	2247
mRNA Refseq	NM_002006
Protein Refseq	NP_001997

MIM

134920

UniProt ID

P09038

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