

Recombinant Human fibroblast growth factor 2 (basic) Protein, HA tagged

Cat. No. FGF2-57H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF2 Protein with HA tag was expressed in Yeast (animal free media and environment).
Species	Human
Source	Yeast
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.
Tag	N-HA
Form	Lyophilized
Molecular Mass	18.2 kDa

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AA Sequence	YPYDVPDYAAAGSITTLPALPEDGGSGAFPPGHFKDPKRLYCKNGGFFLRIHPDGRV DGVREKSDPHIKLQLQAEERGVSISIKGVCANRYLAMKEDGRLLASKCVTDECFFFE RLESNNYNTYRSRKYTSWYVALKRTGQYKLGSKTGPQGQKAILFLPMSAKS
Endotoxin	< 0.2 EU/μg of protein as determined by the LAL method.
Purity	0.98
Storage	Stable for at least one year at -20 centigrade. Upon reconstitution FGF2 can be stored at +4 centigrade for 2 weeks or at -20 centigrade for 6 months.
Concentration	120 μg/μL
Storage Buffer	20mM potassium phosphate, pH 7.0
Reconstitution	Spin the vial briefly, add distilled sterile water.

GENE INFORMATION

Gene Name	FGF2 fibroblast growth factor 2 (basic) [Homo sapiens (human)]
Official Symbol	FGF2
Synonyms	FGF2; fibroblast growth factor 2 (basic); FGFB; fibroblast growth factor 2; prostatropin; heparin-binding growth factor 2; basic fibroblast growth factor bFGF; BFGF; FGF-2; HBGF-2
Gene ID	2247
mRNA Refseq	NM_002006

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Protein Refseq	NP_001997
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MIM	134920
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UniProt ID	P09038
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