

Recombinant Human FGF2 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. FGF2-155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FGF2 MS Standard C13 and N15-labeled recombinant protein (NP_001997) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	30.6 kDa
AA Sequence	MVGVGGGDVEDVTPRPGGCQISGRGARGCNGIPGAAWEAALPRRRPRRHPSVN PRSRAAGSPRTRGRRTTEERPSGSRLGDRGRGRALPGGRLGGRGRGRAPERVGG RGRGRGTAAPRAAPAARGSRPGPAGTMAAGSITTLPALPEDGGSGAFPPGHFKDP

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KRLYCKNGGFFLRIHPDGRVDGVREKSDPHIKLQLQAEERGVSIGVCANRYLAM
KEDGRLLASKCVTDECFFFERLESNNYNTYRSRKYTSWYVALKRTGQYKLGSKTGP
GQKAILFLPMSAKSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name FGF2 fibroblast growth factor 2 [Homo sapiens (human)]

Official Symbol FGF2

Synonyms FGF2; fibroblast growth factor 2; BFGF; FGF-2; FGFB; 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

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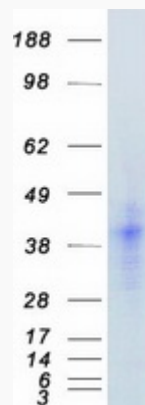
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MIM 134920

UniProt ID P09038

SDS-PAGE



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