

Recombinant Human FGF2 Protein

Cat. No. FGF2-130H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Fibroblast growth factor 2/Fibroblast Growth Factor Basic is produced by our E.coli expression system and the target gene encoding Gly132-Ser288 is expressed.
Species	Human
Source	E.coli
ProteinLength	132-288 a.a.
Description	FGF-basic is a members of the Fibroblast Growth Factors (FGFs) family.The 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.
Form	Lyophilized from a 0.2 um filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5.
AA Sequence	Gly132-Ser288
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95%
Storage	<p>Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.</p>
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Statement	Purity: Greater than 95% as determined by reducing SDS-PAGE.
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>

GENE INFORMATION

Gene Name	FGF2 fibroblast growth factor 2 [Homo sapiens (human)]
Official Symbol	FGF2
Synonyms	FGF-2; bFGF; FGFB; HBGF-2; BFGF; Fibroblast growth factor 2; Basic fibroblast growth factor; Heparin-binding growth factor 2
Gene ID	2247
mRNA Refseq	NM_002006.6
Protein Refseq	NP_001997.5

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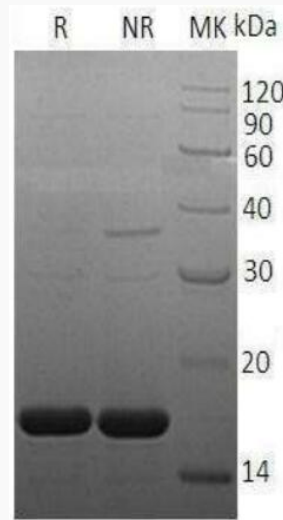
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MIM 134920

UniProt ID P09038

SDS-PAGE



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