

Active Recombinant Heat Stable Human FGF2 Protein, Animal Free

Cat. No. FGF2-01H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Heat Stable Human FGF2 Protein without tag was expressed in Human cells.
Animal Free and Xeno Free

Species Human

Source Human Cells

ProteinLength 154 aa

Description FGF basic is a non-glycosylated heparin binding growth factor that belongs to the fibroblast growth factor family. FGF basic is expressed in the brain, pituitary, kidney, retina, bone, testis, adrenal gland, liver, monocytes, epithelial cells and endothelial cells. FGFbasic signals through FGFR 1b, 1c, 2c, 3c and 4. FGF basic may participate in the production of a variety of pathological conditions resulting from excessive cell proliferation and excessive angiogenesis. FGF basic plays an important role in the regulation of cell survival, cell division, angiogenesis, cell differentiation and cell migration. It also functions as potent mitogen in vitro.

Bio-activity The activity was measured by its ability to stimulate the proliferation of 3T3 mouse fibroblast cells.

Molecular Mass 17 kDa

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Endotoxin	<1 EU/ µg
Purity	High Purity, >95% by SDS-PAGE
Stability	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS without carrier protein
Reconstitution	Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin

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

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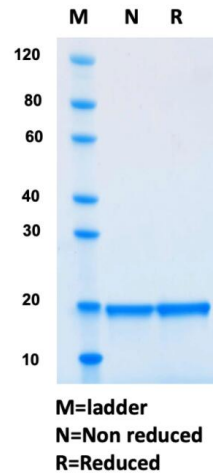
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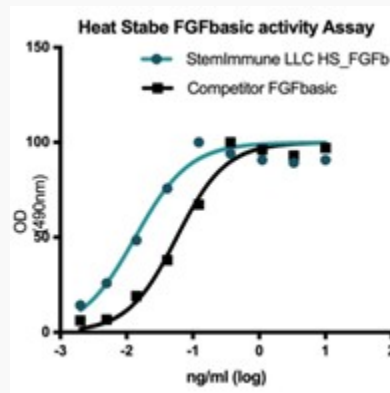
MIM 134920

UniProt ID P09038

SDS-PAGE



Activity assay



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