

Active Recombinant Human FGF8 Protein, Animal Free

Cat. No. FGF8-12H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF8 Protein without tag was expressed in Human cells. Animal Free and Xeno Free
Species	Human
Source	Human Cells
Description	FGF-8b(FGF-8) is belonging to the FGF family, which is widely expressed during embryogenesis. There are four known alternate spliced forms of FGF-8: FGF-8a, FGF-8b, FGF-8e and FGF-8f. Proteins of this family play an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. FGF-8b is required for normal brain, eye, ear and limb development during embryogenesis. It is also required for normal development of the gonadotropin-releasing hormone (GnRH) neuronal system during prenatal development, postnatal growth and regeneration of a variety of tissues, by promoting cellular proliferation and differentiation. FGF-8b shows the strongest receptor affinity and oncogenic transforming capacity.
Bio-activity	The activity was measured by its ability to stimulate the proliferation of 3T3 mouse fibroblast cells.
Molecular Mass	35-45 kDa
Endotoxin	<0.5 EU/ µg

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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	FGF8 fibroblast growth factor 8 [Homo sapiens (human)]
Official Symbol	FGF8
Synonyms	FGF8; fibroblast growth factor 8; HH6; AIGF; KAL6; FGF-8; HBGF-8; fibroblast growth factor 8; androgen-induced growth factor; fibroblast growth factor 8 (androgen-induced); heparin-binding growth factor 8
Gene ID	2253
mRNA Refseq	NM_033163
Protein Refseq	NP_149353
MIM	600483

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UniProt ID

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