

Active Recombinant Human Fibroblast Growth Factor 8 (Androgen-induced)

Cat. No. FGF8-374H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Xeno-free FGF-8b is expressed in <i>human 293 cells</i> as a monomeric glycoprotein with an apparent molecular mass of 30 to 45 kDa.
Species	Human
Source	HEK293
Description	Fibroblast growth factor 8 is a protein that in humans is encoded by the FGF8 gene. This wide molecular mass is due to glycosylation, which is absent when this cytokine is expressed in <i>E. coli</i> . Production in human 293 cells offers authentic glycosylation. Glycosylation contributes to stability in cell growth media and other applications. The cytokine is greater than 95% pure.
Activity	15 to 60 ng/mL ED50.
Purity	>95%.
Endotoxin	Endotoxin-free.
Purity Confirmation	The protein was resolved by SDS polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.
Activity Assay	The specific activity was determined by the dose-dependent stimulation of the proliferation of the Balb/3T3 cell line.

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Pathways

MAPK signaling pathway; Melanoma; Pathways in cancer; Regulation of actin cytoskeleton

GENE INFORMATION
Gene Name

FGF8 fibroblast growth factor 8 (androgen-induced) [Homo sapiens]

Synonyms

FGF8; fibroblast growth factor 8 (androgen-induced); HBGF-8; fibroblast growth factor 8; androgen-induced growth factor; Androgen-induced growth factor; AIGF; KAL6; MGC149376; FGF-8; Heparin-binding growth factor 8; TTHUMP00000020348; TTHUMP00000020349; OTTHUMP00000020350; OTTHUMP00000020351

Gene ID

2253

mRNA Refseq

NM_006119

Protein Refseq

NP_006110

MIM

600483

UniProt ID

P55075

Chromosome Location

10q25-q26

Function

growth factor activity

PDB rendering based on 2fdb

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