



# Recombinant Human/Mouse FGF-8b

<b>Catalog #</b>	EPT144
<b>Expression Host</b>	E.coli
<b>DESCRIPTION</b>	Recombinant Human/Mouse Fibroblast Growth Factor 8B is produced by our E.coli expression system and the target gene encoding Gln23-Arg215 is expressed.
<b>Accession</b>	P55075-3/P37237-2
<b>Synonyms</b>	Fibroblast growth factor 8; Androgen-induced growth factor; Heparin-binding growth factor 8; AIGF; HBGF-8; FGF-8B
<b>Mol Mass</b>	22.5 KDa
<b>AP Mol Mass</b>	23 KDa, reducing conditions
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Less than 0.001 ng/μg (0.01 EU/μg) as determined by LAL test.
<b>FORMULATION</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>RECONSTITUTION</b>	Always centrifuge tubes before opening. Do not mix by





vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

## STORAGE

Lyophilized protein should be stored at  $< -20^{\circ}\text{C}$ , though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at  $4-7^{\circ}\text{C}$  for 2-7 days.

Aliquots of reconstituted samples are stable at  $< -20^{\circ}\text{C}$  for 3 months.

## BACKGROUND

Fibroblast growth factor 8 (FGF-8) is a member of the fibroblast growth factor family. It is discovered as a growth factor essential for the androgen--dependent growth of mouse mammary carcinoma cells. Mouse FGF-8b shares 100% aa identity with human FGF-8b. FGF-8 is widely expressed during embryogenesis, and mediates epithelial--mesenchymal transitions. It plays

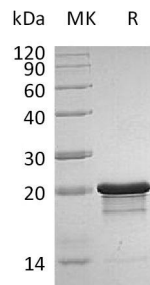




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an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. It is required for normal brain, eye, ear, limb development during embryogenesis and normal development of the gonadotropin-releasing hormone (GnRH) neuronal system.

## **SDS-PAGE**



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