



Recombinant Human FGF-8f (N-6His)

Catalog #	EPT209
Expression Host	E.coli
DESCRIPTION	Recombinant Human Fibroblast Growth Factor 8f is produced by our E.coli expression system and the target gene encoding Gln23-Arg244 is expressed with a 6His tag at the N-terminus.
Accession	P55075-4
Synonyms	Fibroblast growth factor 8; Androgen-induced growth factor; Heparin-binding growth factor 8; AIGF; HBGF-8; FGF-8B
Mol Mass	27.7 KDa
AP Mol Mass	30 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
FORMULATION	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.





RECONSTITUTION

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100 μ g/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 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

