

Recombinant Human/Mouse FGF-8b/FGF8B Protein

Catalog Number:PKSH033805



Note: Centrifuge before opening to ensure complete recovery of vial contents.

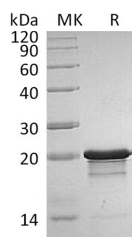
Description

Synonyms	Fibroblast growth factor 8;Androgen-induced growth factor;Heparin-binding growth factor 8;AIGF;HBGF-8;FGF-8B
Species	Human/Mouse
Expression Host	E.coli
Sequence	Gln23-Arg215
Accession	P55075-3/P37237-2
Calculated Molecular Weight	22.5 kDa
Observed molecular weight	23 kDa
Tag	None
Bioactivity	Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED ₅₀ for this effect is 21.87 ng/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.01 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB,300mM NaCl,2% Sucrose,0.02% Tween 80,pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer informa
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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.

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