

Recombinant Protein Technical Manual Recombinant Human/Mouse FGF-8b/FGF8B Protein (Active) RPES0191

Product Data:

Product SKU: RPES0191

Species: Human/Mouse

Size: 10µg

Expression host: E. coli

Uniprot: P55075-3/P37237-2

Protein	Information:	

Molecular Mass:	22.5 kDa
AP Molecular Mass:	21 kDa
Tag:	
Bio-activity:	Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 10-60 ng/ml.
Purity:	> 95% as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per μg as determined by the LAL method.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 μ m filtered solution of PBS, pH7.4.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Cell Culture
Synonyms:	Fibroblast growth factor 8;Androgen-induced growth factor;Heparin-binding growth factor 8;AIGF;HBGF-8;FGF-8B

Sequence: Gln23-Arg215

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.