



Recombinant Protein Technical Manual

Recombinant Human FGF-8F Protein (His Tag)(Active)
RPES4110

Product Data:

Product SKU: RPES4110

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P55075-4

Protein Information:

Molecular Mass: 27.7 kDa

AP Molecular Mass: 30 kDa

Tag: N-6His

Bio-activity: Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 2000 ng/ml.

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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, 150mM NaCl, 1mM EDTA, 1mM DTT, pH 7.4.

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

Immunogen Information:

Sequence: Gln23-Arg244

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.