



Recombinant Protein Technical Manual

Recombinant Human FGF-2/FGFb Protein (aa 134-288)(Active)

RPES3954

Product Data:

Product SKU: RPES3954

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P09038

Protein Information:

Molecular Mass: 17.2 kDa

AP Molecular Mass: 17 kDa

Tag:

Bio-activity: Measured in a cell proliferation assay using Balb/3T3 mouse fibroblast cells. The ED50 for this effect is 0.1-0.6 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 TrisHCl, 150mM NaCl, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Cell Culture

Synonyms: Fibroblast growth factor 2;FGF-2;Basic fibroblast growth factor;Bfgf;Heparin-binding growth factor 2;HBGF-2;FGF2;FGFB

Immunogen Information:

Sequence: Met 134-Ser288

Background:

Fibroblast growth factor 2(FGF2) is a secreted protein and belongs to the heparin-binding growth factors family. FGF2 is produced by epithelial, tumor and other cell types. It involved in developmental processes and regulates differentiation, proliferation, and migration, FGF2 is a critical factor for growing embryonic stem cells in culture without inducing differentiation. FGF2 has a high affinity for heparan sulfate and binding is a step in the FGF basic activation of FGFR tyrosine kinase.