



Recombinant Protein Technical Manual

Recombinant Mouse FGF/FGFa Protein

RPES0686

Product Data:

Product SKU: RPES0686

Size: 10µg

Species: Mouse

Expression host: E. coli

Uniprot: P61148

Protein Information:

Molecular Mass: 15.7 kDa

AP Molecular Mass: 16 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by 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, 500mM NaCl, pH 6.6.

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

Application:

Synonyms: Fibroblast Growth Factor 1; FGF; Acidic Fibroblast Growth Factor; aFGF; Heparin-Binding Growth Factor 1; HBGF; Fgf1; Fgf; Fgfa

Immunogen Information:

Sequence: Phe16-Asp155

Background:

FGF acidic is a 17 kDa nonglycosylated member of the FGF family of mitogenic peptides. FGF acidic, which is produced by multiple cell types, stimulates the proliferation of all cells of mesodermal origin and many cells of neuroectodermal, ectodermal, and endodermal origin. It plays a number of roles in development, regeneration, and angiogenesis. FGF-acidic is a non-glycosylated heparin binding growth factor that is expressed in the brain, kidney, retina, smooth muscle cells, bone matrix, osteoblasts, astrocytes and endothelial cells. FGF-acidic has the ability to signal through all the FGF receptors.