

## 32-7036: Recombinant Mouse Fibroblast Growth Factor 1/FGF-1/FGFa (Phe16-Asp155)

**Gene :** Fgf1  
**Gene ID :** 14164  
**Uniprot ID :** P61148

### Description

Source: E.coli.  
MW :15.7kD.

Recombinant Mouse Fibroblast growth factor 1 is produced by our E.coli expression system and the target gene encoding Phe16-Asp155 is expressed. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 500mM NaCl, pH 6.6.  
**Storage condition :** 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.  
**Amino Acid :** FNLPLGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESAGEVYIKGTETGQYLAMDTEGLLYGSQTPNEECLFLERLEENHYNTYTSKKHAENWFVGLKKNNGSCKRGRPTHYGQKAILFLPLPVSSD

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**Biological Activity :** ED50 is less than 0.5 ng/ml. Specific Activity of 2.0 x 10<sup>6</sup> IU/mg.