

**FGF1, 16-155aa, Mouse, His tag, E.coli**

**Cat.NO.: TP02115**

3th Edition

**Synonyms:**Fibroblast growth factor 1 (acidic), Dffrx, Fam, Fgf-1, Fgfa.

**Description:**Fibroblast growth factor 1, also known as FGF1, belongs to the fibroblast growth factor family. It is a potent mitogenic agent. FGF1 has been detected in large amounts in the brain. Other cells known to express FGF1 include hepatocytes, vascular smooth muscle cells, CNS neurons, skeletal muscle cells, fibroblasts, keratinocytes, endothelial cells, intestinal columnar epithelium cells and pituitary basophils and acidophils.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

**Molecular Weight:**18 kDa (161aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMFNLPLGNYKKPKLLYCSNNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESAGEV  
YIKGTETGQYLAMDTEGLLYGSQTPNEECLFLERLEENHYNTYTSKKHAEKNWVGLKKNKNGSCKRGPRTHYGQKA  
ILFLPLPVSSD

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.