

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:

MGSSHHHHHHSSGLVPRGSHMFNLPLGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESAGEV
YIKGTETGQYLAMDTGELLYGSQTPNEECLFLERLEENHYNTYTSKKHAEKNWVGLKKNKSCKRGPRTHYGQKA
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.