

PRODUCT INFORMATION SUMMARY

Mouse FGF Basic

(Fibroblast Growth Factor)

PRODUCT NUMBER	RC444210A	Purified factor	10.0 ug
PRODUCT NUMBER	RC444210B	Purified factor	50.0 ug

DESCRIPTION:

Mouse Fibroblast Growth Factor-Basic (FGF-2) is a growth factor which binds heparin and stimulates proliferation of many cell types including endothelial, mesenchymal and neuroectodermal cells. FGF basic signals via the FGFR (1b,1c,2c,3c and 4). In Vivo angiogenic effects have also been reported. Mouse FGF-basic has molecular weight of 16.2 kDa with 145 amino acid residues.

SOURCE:

E. Coli
Purity greater than 95% by HPLC analysis
Endotoxin level < 0.1 ng per ug mouse FGF-basic.

HANDLING AND STORAGE:

Provided as lyophilized protein (from 10 mM Tris; pH 7.6) . Mouse FGF basic should be **reconstituted in distilled water** to concentration of 100 ug/mL. Further dilute in PBS or other buffered solutions. **Avoid acidic conditions** - FGF-basic is sensitive to acidic conditions. This can be stored in small aliquots (add carrier protein, ie. 0.1% BSA) frozen for long-term storage -up to 3 months. Avoid **any** freeze-thaw cycles.

Microcentrifuge before reconstitution. Because ANTIGENIX AMERICA factors are provided carrier-protein free, the small quantities of lyophilized protein can adhere to the sides of the vial. **Before opening vial,** we recommend microcentrifuging for 30 seconds to spin-down all material.

BIOACTIVITY:

Fully biologically active as compared to standards. Specific activity corresponding to 1×10^7 units/mg (0.1ng/mL). Units as determined by thymidine uptake by BaF3 cells expressing FGF receptors. Range of activity: 0.1 - 10 ng/mL.

WARRANTY: Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

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