

PRODUCT INFORMATION SUMMARY

Rat FGF Basic

(Fibroblast Growth Factor)

PRODUCT NUMBER	RC333160B	Purified factor	50.0 ug
PRODUCT NUMBER	RC333160A	Purified factor	10.0 ug

DESCRIPTION:

Rat 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. This factor is important in prenatal development and postnatal growth of many tissue types. Rat FGF-basic has molecular weight of 16.3 kDa with 145 amino acid residues.

SOURCE:

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

HANDLING AND STORAGE:

Provided as lyophilized protein. Rat 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 frozen, **with addition of 0.1% BSA**, for long-term storage -up to three 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 5×10^6 units/mg (0.2 ng/mL). Units as determined by thymidine uptake by 3T3 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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