

RECOMBINANT MOUSE FGF-8b

Catalog # 02755

25 mg per vial

PRODUCT DESCRIPTION:

Fibroblast growth factor 8b (FGF-8b) is a member of the fibroblast growth factor family. The FGF-8b isoform has been shown to activate the 'c' splice form of FGF R2, FGF R3, and FGF R4. FGF-8 expression during mouse development is limited to days 9 through 13 and its expression pattern suggests a role for FGF-8 in multiple regions of ectodermal differentiation post-gastrulation. FGF-8 is thought to play a role in outgrowth and patterning of the face, limbs and central nervous system. The FGF-8 locus has been mapped to mouse chromosome 19 and human chromosome 10.

SOURCE:

A DNA sequence encoding the mature mouse FGF-8b isoform protein sequence was expressed in *E. coli*.

PURITY:

Greater than 97%, as determined by SDS-PAGE and visualized by silver stain. Endotoxin level is less than 0.1 ng per µg of the cytokine as determined by the LAL method.

FORMULATION:

Lyophilized from a 0.2 µm filtered solution in PBS, containing 50µg bovine serum albumin per µg of cytokine.

RECONSTITUTION:

It is recommended that sterile PBS containing at least 0.1% human serum albumin or bovine serum albumin be added to the vial to prepare a stock solution of no less than 25 µg/mL of the cytokine.

STABILITY/STORAGE:

Lyophilized samples are stable for greater than six months at -20°C to -70°C.

Upon reconstitution, mouse FGF-8b can be stored under sterile conditions at 2-4°C for one month or at -20°C to -70°C for three months without detectable loss of activity.

Avoid repeated freeze-thaw cycles.

ACTIVITY:

Activity was measured by its ability to stimulate ³H-thymidine incorporation in a confluent quiescent culture of NR6R-3T3 fibroblasts and the ED50 was typically 1-3ng/mL in the presence of 0.1µg/mL heparin.

**THIS REAGENT IS FOR RESEARCH USE ONLY.
IT IS NOT TO BE ADMINISTERED TO HUMANS.**