

## Recombinant Murine Fibroblast Growth Factor 17

### Information

<b>Gene ID</b>	
<b>Accession #</b>	
<b>Alternate Names</b>	
<b>Source</b>	Escherichia coli.
<b>M.Wt</b>	Approximately 22.5 kDa, a single non-glycosylated polypeptide chain containing 194 amino acids.
<b>AA Sequence</b>	TQGENHPSPN FNQYVRDQGA MTDQLSRRQI REYQLYSRTS GKHVQVTGRR ISATAEDGNK FAKLIVETDT FGSRVRIKGA ESEKYICMNK RGKLIKPSG KSKDCVFTEI VLENNYTAFAQ NARHEGWFMA FTRQGRPRQA SRSRQNRQA HFIKRLYQQG LPPFNHAERQ KQFEFVGSAP TRTRKTRTRP QSQT
<b>Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Stability &amp; Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles - 12 months from date of receipt, -20 to -70 °C as supplied - 1 month, 2 to 8 °C under sterile conditions after reconstitution - 3 months, -20 to -70 °C under sterile conditions after reconstitution
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris-HCl, pH 8.0, 700 mM NaCl, with 0.02 % Tween-20.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile PBS to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 10 ng/ml, corresponding to a specific activity of > 1.0 × 10 IU/mg in the presence of 10 µg/ml of heparin.
<b>Shipping Condition</b>	Gel pack.
<b>Handling</b>	Centrifuge the vial prior to opening.
<b>Usage</b>	For Research Use Only! Not to be used in humans.

### Components and Storage

Components	5µg	100µg	
Recombinant Murine Fibroblast Growth Factor 17	5µg	100µg	

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- 12 months from date of receipt, -20 to -70 °C as supplied
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- 3 months, -20 to -70 °C under sterile conditions after reconstitution

## Quality Control

Purity	> 98 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 0.1 EU/μg of rMuFGF-17 as determined by LAL method.

## Description

FGF-17 is a member of the FGF superfamily of heparin-binding mitogenic molecules characterized by the presence of a core, 120 amino acid (aa) beta-trefoil structure. The mRNA of FGF-17 was found in midgestation of embryo and multiple adult tissues, and is preferentially expressed in specific sites, such as embryonic brain, developing skeleton and arteries.

## Reference

**APExBIO Technology**

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