

Recombinant Mouse Fibroblast Growth Factor 17 (Mouse FGF-17)

Product Information

Product Name	Cat#	Size
Recombinant Mouse Fibroblast Growth Factor 17 (Mouse FGF-17)	91321ES08	5 µg
	91321ES60	100 µg

Product 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.

Product Properties

Synonyms	FGF-13 Protein; FGF-17 Protein; HH20 Protein
Accession	P63075
GeneID	14171
Source	E.coli-derived mouse FGF 17 protein, Thr23-Thr216
Molecular Weight	Approximately 22.5 kDa.
AA Sequence	TQGENHPSPN FNQYVRDQGA MTDQLSRRQI REYQLYSRTS GKHVQVTGRR ISATAEDGNK FAKLIVETDT FGSRVRIKGA ESEKYICMNK RGKLIKPSG KSKDCVFTEI VLENNYTAFO NARHEGWEMA FTRQGRPRQA SRSRQNQREA HFIKRLYQGQ LPFPNHAERQ KQFEFVGSAP TRRTKRTRRP QSQT
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ 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 ⁵ IU/mg in the presence of 10 µg/ml of heparin.
Endotoxin	< 0.1 EU per 1µg of the protein by the LAL method.
Formulation	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. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	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.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.