

Recombinant Mouse Fibroblast Growth Factor 16 (Mouse FGF-16)

Product Information

Product Name	Cat#	Size
	91320ES08	5 µg
Recombinant Mouse Fibroblast Growth Factor 16 (Mouse FGF-16)	91320ES60	100 µg
	91320ES76	500 µg

Product Description

Fibroblast growth factor 16 (FGF-16) belongs to the large FGF family. All FGF family members are heparin-binding growth factors with a core 120 amino acid (a.a.) FGF domain that allows for a common tertiary structure. FGF-16 was originally identified in rat heart tissue by homology based polymerase chain reaction. Murine FGF-16 cDNA predicts a 207 aa precursor protein with one N-linked glycosylation site. FGF-16 lacks a typical signal peptide, but is efficiently generated by mechanisms other than the classical protein secretion pathway. Among FGF family members, FGF-16 is most similar to FGF-9, sharing 73% aa sequence homology. Murine FGF-16 shares 99.5% and 99% aa sequence identity with the human and rat FGF-16, respectively.

Product Properties

Synonyms	Fibroblast growth factor 16; FGF-16
Accession	Q9ESL8
GeneID	80903
Source	E.coli-derived mouse FGF 16 protein, Met1-Arg207
Molecular Weight	Approximately 23.8 kDa.
AA Sequence	MAEVGGVFAS LDWDLHGFSS SLGNVPLADS PGFLNERLGQ IEGKLQRGSP TDF AHLKGIL RRRQLYCRTG FHLEIFPNGT VHGRHDHSR FGILEFISLA VGLISIRGVD SGLYLGMNER GELYGSKKLT RECVFREQFE ENWYNTYAST LYKHSDSERQ YYVALNKDGS PREGYRTRKH QKFTHFLPRP VDPSKLPMS RDLFRYR
Tag	None
Physical Appearance	Sterile colorless liquid.
Purity	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity	Data not available.
Endotoxin	< 0.1 EU per 1µg of the protein by the LAL method.
Formulation	Supplied as a 0.2 µm filtered solution in 20 mM Tris-HCl, pH 9.0, 1 M NaCl, 0.02 % Tween-20, 10 % Glycerol. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA 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!