

## Recombinant Murine Fibroblast Growth Factor 16

Catalog No: #AP60189



Package Size: #AP60189-1 5ug #AP60189-2 100ug #AP60189-3 500ug

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## Description

Product Name	Recombinant Murine Fibroblast Growth Factor 16
Host Species	Escherichia coli.
Purification	> 98 % by SDS-PAGE and HPLC analyses.
Calculated MW	Approximately 23.8 kDa, a single non-glycosylated polypeptide chain containing 207 amino acids.
Target Sequence	MAEVGGVFAS LDWDLHGFSS SLGNVPLADS PGFLNERLGQ IEGKLQRGSP TDF AHLK GIL RRRQLYCR TG FHLEIFPNGT VHGTRHDHSR FGILEFISLA VGLISIRGVD SGLYLG MNER GELYGSKKLT RECVFREQFE ENWYNTYAST LYKHS DSERQ YYVALNKDGS PREGYR TKRH QKFTHFLPRP VDPSKLPSMS RDLFRYR
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.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 6 months from date of receipt, -20 to -70 °C as supplied.- 3 months, -20 to -70 °C under sterile conditions after opening.

## Background

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.

Note: This product is for in vitro research use only