Recombinant Murine Fibroblast Growth Factor-16 (rMuFGF-16)

PrimeGene Technical Data Sheet

Catalog Number:	124-16
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 23.8 kDa, a single non-glycosylated polypeptide chain containing 207 amino acids.
Quantity:	5μg/25μg/1000μg
AA Sequence:	MAEVGGVFAS LDWDLHGFSS SLGNVPLADS PGFLNERLGQ IEGKLQRGSP TDFAHLKGIL RRRQLYCRTG FHLEIFPNGT VHGTRHDHSR FGILEFISLA VGLISIRGVD SGLYLGMNER GELYGSKKLT RECVFREQFE ENWYNTYAST LYKHSDSERQ YYVALNKDGS PREGYRTKRH QKFTHFLPRP VDPSKLPSMS RDLFRYR
Purity:	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Data not available.
Physical Appearance:	Sterile colorless liquid.
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.
Endotoxin:	Less than 0.1 EU/μg of rMuFGF-16 as determined by LAL method.
Stability & 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.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. **NOT FOR HUMAN USE**.

Murine Fibroblast Growth Factor-16

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.

Shanghai PrimeGene Bio-Tech Co., Ltd.
Website: www.primegene.com.cn
Tel: +86 21 52380373
Website: www.primegene.com
Fax: +86 21 61077348
Email: info.pg@bio-techne.com