

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	124-16
Source:	<i>Escherichia coli</i> .
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 TDFAHKLGIL RRRQLYCRTG FHLEIFPNGT VHGRHDHSR FGILEFISLA VGLISIRGVD SGLYLGMNER GELYGSKKLT RECVFREQFE ENWYNTYAST LYKHSDSERQ YYVALNKDGS PREGYRTRKH 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. <ul style="list-style-type: none">● 6 months from date of receipt, -20 to -70 °C as supplied.● 3 months, -20 to -70 °C under sterile conditions after opening.
Usage:	ChemWhat Limited in UK offers this branded product for research, development 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.