

Catalog Number: 230-30261

Recombinant Human FGF-18

Source

Species	Human
Accession Number	O76093
Gene Symbol	FGF18
Expressed Region	Glu28-Ala207
Synonyms	Fibroblast growth factor 18 (FGF-18) (zFGF5)

Preparation

Expression System	Human Embryonic Kidney 293 Cells
Tag	N-terminal histidine tag
Purification	His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
Purity	>95%
Purity Determined By	SDS-PAGE under reducing conditions and visualized by Coomassie blue staining
Molecular Weight	Recombinant protein product has a calculated molecular mass of 23 kDa. Due to the abundant glycosylation, it migrates as approximately 30 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. See deglycosylation analysis image below.

Protein Specifications

Format	Liquid
Formulation	Supplied as a 0.2 um filtered solution in 7 mM Na ₂ HPO ₄ , 1 mM KH ₂ PO ₄ , 2.7 mM KCl, pH 7.3.
Concentration	Lot specific (see the label on the vial), determined by Bradford protein assay
Endotoxin Level	0.5 EU per ug of the protein as determined by the LAL method

SDS-PAGE Image

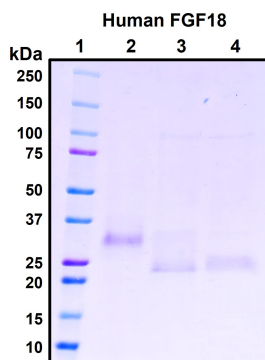
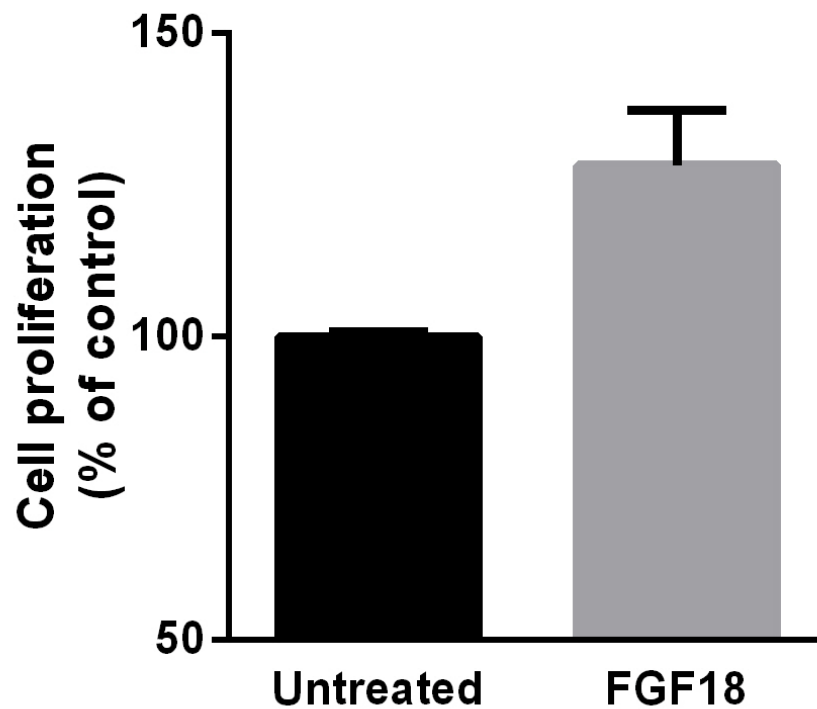


Figure 1. Deglycosylation analysis of purified recombinant proteins. Lane 1, protein ladder (kDa). Lane 2, glycosylated protein (delivered to customers). Lanes 3 and 4, deglycosylated proteins under native and denature conditions respectively.

Activity

Measured in a cell proliferation assay using NIH-3T3 mouse embryonic fibroblast cells.

**Shipping**

Ice packs

Storage/Stability

Upon arrival, the protein may be stored for 2 weeks at 4°C. For long term storage, it is recommended to store at -20°C or -80°C in appropriate aliquots. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.