

Recombinant Human Fibroblast Growth Factor 18

#R00610

Size: 5 µg/100 µg/500 µg

Stability & Storage

Please use a manual defrost freezer and avoid repeated freeze-thaw cycles.

-Lyophilized protein should be stored at ≤ -20°C, stable for 12 months after receipt.

-Reconstituted protein solution can be stored at 2-8°C for 1-2 weeks.

-Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

Fibroblast growth factor 18(FGF18) is a member of the fibroblast growth factor family (FGFs), Fibroblast growth factors (FGF) and their receptors (FGFRs) drive key developmental signaling pathways that are responsible for many functions, including cell proliferation, survival, and migration. FGF18 is a class of bioactive substances that can conduct biological signals, regulate cell growth, participate in tissue repair and other functions, and can promote the occurrence and development of different types of malignant tumors through various mechanisms. FGF18 can function as an important oncogene at different gene and protein levels, and can be used as a potential new therapeutic target and prognostic biomarker for these tumors.

AA Sequence

Glu28-Ala207, Accession #O76093

Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Reconstitute in sterile distilled water to a concentration of 0.1-1.0 mg/mL. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Product Specification

Species	Human
Source	Escherichia coli.
Molecular Weight	Recombinant Human FGF-18 Protein, a monomer, containing 180 amino acid residues, has a predicted molecular mass of approximately 21.0 kDa.
Purity	> 95% by SDS-PAGE gel and HPLC analyses.
Biological Activity	Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected ED ₅₀ is 10 ng/ml, corresponding to a specific activity of 1 × 10 ⁵ units/mg.
Formulation	Lyophilized from a 0.22 µm filtered solution of in PBS. See CoA for details.
Endotoxin	Less than 1 EU/µg of

rHuFGF-18 as determined by
LAL test.

Shipping

The product is shipped at
ambient temperature. Upon
receipt, store it immediately at
the temperature listed below.
