

FGF-18 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P75192
Synonyms:	Fibroblast growth factor 18; FGF-18; zFGF5; Fgf18
Species:	Mouse
Source:	HEK293
Accession:	O89101 (M1-G207)
Gene ID:	14172
Molecular Weight:	30-35 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	FGF-18 protein assumes a pivotal role in orchestrating the intricate regulation of cell proliferation, differentiation, and migration. Its indispensable functions extend to the realm of normal ossification and bone development, highlighting its critical involvement in skeletal maturation. Furthermore, FGF-18 exhibits the capacity to stimulate hepatic and intestinal proliferation, underscoring its versatile role in various tissues. The orchestration of these cellular processes is facilitated through interactions with FGFR3 and FGFR4, underscoring the significance of FGF-18 in mediating intricate signaling pathways that contribute to the fundamental processes of tissue development and homeostasis.
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Caution: Product has not been fully validated for medical applications. For research use only.

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