

FGF-5 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Heparin-binding growth factor 5 (HBGF-5);FGF-5;Fibroblast growth factor 5;Fgf5
Protein Construction:	21-264 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	P15656
Molecular Weight:	32.8 kDa (predicted)
AA Sequence:	HGEKRLTEGQPAPPRNPGDSSGSRGRSSATFSSSSASSPVAASPGSQGSGSEHSSFQWSPSGRRTGSLYCR VGIGFHLQIYPDGKVNGSHEASVLSILEIFAVSQGIVGIRGVFSNKFLAMSKKGLHASAKFTDDCKFRERFQE NSYNTYASAIHRTEKTGREWYVALNKRKAKRGCSPRVKPQHVSTHFLPRFKQSEQPELSFTVTVPEKKKPPV KPKVPLSQPRRSPSPVKYRLKFRFG

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>

Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.
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Protein Background

Plays an important role in the regulation of cell proliferation and cell differentiation. Required for normal

A DRUG SCREENING EXPERT

regulation of the hair growth cycle. Functions as an inhibitor of hair elongation by promoting progression from anagen, the growth phase of the hair follicle, into catagen the apoptosis-induced regression phase.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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