abcam

Product datasheet

Recombinant human FGF5 protein (Active) ab219125

2 Images

Description

Product name	Recombinant human FGF5 protein (Active)
Biological activity	Determined by NR6R-3T3 proliferation with 1 ug heparin. ED_{50} ≤10 ng/ml (≥ 1.0 x 10^5 units/mg).
Purity	>= 95 % SDS-PAGE. Purity determined by reducing and non-reducing SDS-PAGE.
Endotoxin level	<=1.000 Eu/µg
Expression system	Escherichia coli
Accession	P12034
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAWAHGEKRLAPKGQPGPAATDRNPIGSSSRQSSSSAM SSSSASSSPAAS LGSQGSGLEQSSFQWSPSGRRTGSLYCRVGIGFHLQIYPD GKVNGSHEAN MLSVLEIFAVSQGIVGIRGVFSNKFLAMSKKGKLHASAKFT DDCKFRERF QENSYNTYASAIHRTEKTGREWYVALNKRGKAKRGCSPR VKPQHISTHFL PRFKQSEQPELSFTVTVPEKKNPPSPIKSKIPLSAPRKNTN SVKYRLKFR FG
Predicted molecular weight	28 kDa
Amino acids	18 to 268

Specifications

Our **Abpromise guarantee** covers the use of **ab219125** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE

	Functional Studies
Form	Lyophilized

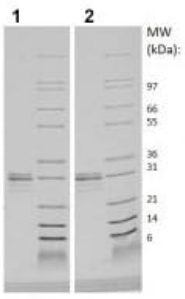
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Constituents: 0.16% Sodium phosphate, 0.58% Sodium chloride Lyophilised from a sterile (0.2 micron) filtered solution. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute in sterile water at 0.1 mg/ml. Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws.

General Info

Function	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.
Tissue specificity	Expressed in neonatal brain.
Sequence similarities	Belongs to the heparin-binding growth factors family.
Developmental stage	Can transform NIH 3T3 cells.
Cellular localization	Secreted.

Images

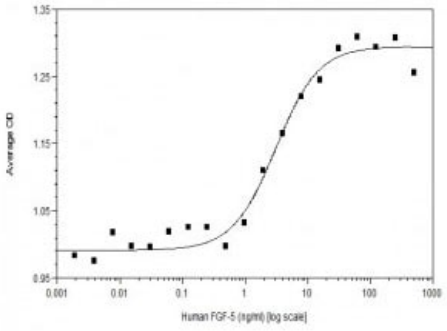


SDS-PAGE - Recombinant human FGF5 protein (Active) (ab219125)

4-20% Tris-Glycine SDS-PAGE analysis of 1 µg ab219125, stained with Coomasie blue.

Lane 1: Non-reducing conditions.

Lane 2: Reducing conditions.



Functional Studies - Recombinant human FGF5 protein (Active) (ab219125)

Proliferation of NR6R-3T3 cells induced by ab219125.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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