

Recombinant Rat FGF5 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52641

Size: 10ug, 100ug

Protein Name: Fibroblast growth factor 5 (FGF-5) (Heparin-binding growth factor 5) (HBGF-5)

Synonym: Fgf5, Fgf-5

UniProt ID: P48807

UniProt Link: www.uniprot.org/uniprotkb/P48807/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 266 AA

Molecular Weight: 29 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSLSLLFLIFCSHLILSAPAQGEKRLTPEGQPAPPRNPGDSSGSRGRSSATFASSSASSPVAASPGS
QGSGSEHSSFQWSPSGRRTGSLYCRVGIGFHLQIYPDGKVNGSHEASVLSILEIFAVSQGIVGIRGVF
SNKFLAMSKKGKGLHASAKFTDDCKFRERFQENSYNTYASAIHRTEKTGREWYVALNKRKGAKRGCS
PRVKPQHVSTHFLPRFKQSEQPELSFTVTVPKPKVPLSPSRRSPSPVKYRLKFRFG

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Fibroblast growth factor 5 (FGF-5) (Heparin-binding growth factor 5) (HBGF-5) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Plays an important role in the regulation of cell proliferation and cell differentiation. Required for normal 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 (By similarity).

Subcellular Localization: Secreted .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.