

Recombinant Human FGF7 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50326

Size: 10ug, 100ug

Protein Name: Fibroblast growth factor 7 (FGF-7) (Heparin-binding growth factor 7) (HBGF-7) (Keratinocyte growth factor)

Synonym: FGF7, KGF

UniProt ID: P21781

UniProt Link: www.uniprot.org/uniprotkb/P21781/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 194 AA

Molecular Weight: 23 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MHKWILTWILPTLLYRSCFHIICLVGTISLACNDMTPEQMATNVNCSSPERHTRSVDYMEGGDIRVRR
LFCRTQWYLRIKRGKVGKTQEMKNNYNIMEIRTVAVGIVAIGVSEFYLAMNKEGKLYAKKECNE
DCNFKELILENHNTYASAKWTHNGGEMFVALNQKGIPVRGKTKKEQKTAHFLPMAIT

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 7 (FGF-7) (Heparin-binding growth factor 7) (HBGF-7) (Keratinocyte growth factor) 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 embryonic development, cell proliferation and cell differentiation. Required for normal branching morphogenesis. Growth factor active on keratinocytes. Possible major paracrine effector of normal epithelial cell proliferation.

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.