

Recombinant Mouse FGF3 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51227

Size: 10ug, 100ug

Protein Name: Fibroblast growth factor 3 (FGF-3) (Heparin-binding growth factor 3) (HBGF-3) (Proto-oncogene Int-2)

Synonym: Fgf3, Fgf-3, Int-2

UniProt ID: P05524

UniProt Link: www.uniprot.org/uniprotkb/P05524/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 245 AA

Molecular Weight: 27 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGLIWLLLLSLLEPSWPTTGPGTRLRRDAGGRGGVYEH LGGAPRRRKLYCATKYHLQLHPSGRVN
GSENSAYSILEITAVEVGVAIKGLFSGRYLAMNKRGRLYASDHYNACEFVERIHGELGYNTYASRL
YRTGSSGPGAQRQPGAQRPWYVSVNGKGRPRRGFKTRRTQKSSLFLPRVLGHKDHEMVRLQSS
QPRAPGEGSQPRQRRQKKQSPGDHGMETLSTRATPSTQLHTGGLAVA

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 3 (FGF-3) (Heparin-binding growth factor 3) (HBGF-3) (Proto-oncogene Int-2) 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 ear development (By similarity).

Subcellular Localization: [Isoform 1]: Nucleus.; [Isoform 2]: Endoplasmic reticulum. Golgi apparatus.

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.