

Recombinant Mouse BMP15 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52113

Size: 10ug, 100ug

Protein Name: Bone morphogenetic protein 15 (BMP-15) (Growth/differentiation factor 9B) (GDF-9B)

Synonym: Bmp15, Gdf9b

UniProt ID: Q9Z0L4

UniProt Link: www.uniprot.org/uniprotkb/Q9Z0L4/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 392 AA

Molecular Weight: 45 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MALLTILRILLWGVVLFMEQVRVQMAKPGWPSTALLADDPTLPSILDLAKEAPGKEMKQWPQGYPLRY
MLKLYHRSADPHGHPRENRTIGAKMVRLVKPSANTVRPPRGSWHVQTLDFPLASNQVAYELIRATV
VYRHLHLVNYHLSCHVETWVPKCRTHLPSSKSGSSKPSPMASKAWTEIDITHCIQQKLWNRKGRS
VLRLRFMCQQQKGNETREFRWHGMTSLDVAFLLLYFNDDTDDRVQKGKLLARGQEELTDRESSFLMR
SVRQACSIESDASCPSQEHDGVSNNQCSLHPYKVSFHQLGWDHWIIAPRLYTPNYCKGICTRVLPY
GLNSPNHAIQSLVNELVNHSVPQPSCVPYNFLPMSILLIETNGSILYKEYEGMIAQSCTCR

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 Bone morphogenetic protein 15 (BMP-15) (Growth/differentiation factor 9B) (GDF-9B) 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: May be involved in follicular development. Oocyte-specific growth/differentiation factor that stimulates folliculogenesis and granulosa cell (GC) growth (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.