

Recombinant Mouse GREM2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51189

Size: 10ug, 100ug

Protein Name: Gremlin-2 (Cysteine knot superfamily 1, BMP antagonist 2) (Protein related to DAN and cerberus) (PRDC)

Synonym: Grem2, Cktsf1b2, Prdc

UniProt ID: O88273

UniProt Link: www.uniprot.org/uniprotkb/O88273/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 168 AA

Molecular Weight: 19 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MFWKLSLTLLLVAVLVKVAETRKNRPAGAIPSPYKDGSSNNSERWHHQIKEVLASSQEALVVTERKY
LKSDWCKTQPLRQTVSEEGCRSRTLNRFCYGCNSFYIPRHVKKEEDSFQSCAFCKPQRVTSVIVE
LECPGLDPPFRIKKIQKVKHCRCMSVNLSDSDKQ

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 Gremlin-2 (Cysteine knot superfamily 1, BMP antagonist 2) (Protein related to DAN and cerberus) (PRDC) 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: Cytokine that inhibits the activity of BMP2 and BMP4 in a dose-dependent manner, and thereby modulates signaling by BMP family members. Contributes to the regulation of embryonic morphogenesis via BMP family members. Antagonizes BMP4-induced suppression of progesterone production in granulosa cells.

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.