

Recombinant Mouse PR2C2 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51219

Size: 10ug, 100ug

Protein Name: Prolactin-2C2 (Mitogen-regulated protein 1) (Proliferin-1)

Synonym: Prl2c2, Mrp1, Plf, Plf1

UniProt ID: P04095

UniProt Link: www.uniprot.org/uniprotkb/P04095/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 224 AA

Molecular Weight: 25 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MLPSLIQPCSWILLLLLWNSSLLWKNVASFPMCAMRNGRCFMSFEDTFELAGSLSHNISIEVSELFTE
FEKHYSNVSGLRDKSPMRCNTSFLPTPENKEQARLTHYSALLKSGAMILDAWESPLDDLVSSELSTIK
NVPDIIISKATDIKKKINAVRNGVNALMSTMLQNGDEEKKNPAWFLQSDNEDARIHSLYGMISCLDND
FKKVDIYLNVLKCYMLKIDNC

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 Prolactin-2C2 (Mitogen-regulated protein 1) (Proliferin-1) 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 have a role in embryonic development. It is likely to provide a growth stimulus to target cells in maternal and fetal tissues during the development of the embryo at mid-gestation. May play a role during wound healing and in the hair follicle cycle as a growth factor and/or an angiogenesis factor. May play a role in microvilli formation and cell proliferation of neuroblastoma cells.

Subcellular Localization: Secreted . Endoplasmic reticulum .

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.