



Recombinant Bovine MTPN Protein Product Manual

1. Product Basic Information

Product No.: REP07524

Protein Name: Protein V-Granule Cell Differentiation Protein (MTPN)

Aliases: V-GCDP; myotrophin; protein V-granule cell differentiation protein

UniProt ID: P58546

UniProt Link: <https://www.uniprot.org/uniprotkb/P58546/entry>

Species Source: Bos taurus (Bovine)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (2-118aa)

Molecular Weight: 15.2

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (2-118aa)

CDKEFMWALKNGDLDEVKDYVAKGEDVNRTLEGGRKPLHYAADCGQLEILEFLLLK
GADINAPDKHHITPLLSAVYEGHVSCVKLLLSKGADKTVKGPDGLTAFEATDNQAIK
ALLQ

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.



5. Product Description

This product is a recombinant Bovine MTPN full length of mature protein protein (2-118aa) expressed in Yeast. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. MTPN, also known as V-GCDP or myotrophin or protein V-granule cell differentiation protein, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.