



Recombinant Cat B2M Protein Product Manual

1. Product Basic Information

Product No.: REP06237

Protein Name: Beta Chain Of Mhc Class I Molecules (B2M)

Aliases: IMD43; AMYLD6; MHC1D4; beta-2-microglobin; beta-2-microglobulin; beta chain of MHC class I molecules

UniProt ID: P61769

UniProt Link: <https://www.uniprot.org/uniprotkb/P61769/entry>

Species Source: Felis catus (Cat) (Felis silvestris catus)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein (21-118aa)

Molecular Weight: 40.3 kDa

Protein Tag: C-terminal hFc1-tagged

2. Amino Acid Sequence (21-118aa)

VQHSPKVQVYSRHPAENGKPNFLNCYVSGFHPPQIDITLMKNGKKMEAEQTDLSFN
RDWTFYLLVHTEFTPTVEDEYSCQVNHTTLSEPKVVKWDRDM

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 Cat B2M full length of mature protein protein (21-118aa) expressed in Mammalian cell. The protein is with hFc1 tag at the C-terminus, which facilitates protein purification, detection and identification. B2M, also known as IMD43 or AMYLD6 or MHC1D4, 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.