

Recombinant Human PSMB7 Protein Product Manual

1. Product Basic Information

Product No.: REP07930

Protein Name: Beta-Macropain Chain Proteasome Subunit Proteasome Subunit Alpha (PSMB7)

Aliases: beta-macropain chain proteasome subunit proteasome subunit alpha; proteasome subunit beta2

UniProt ID: Q99436

UniProt Link: <https://www.uniprot.org/uniprotkb/Q99436/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (44-275aa)

Molecular Weight: 52.1kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (44-275aa)

TTIAGVVYKDGIVLGADTRATEGMVVADKNC SKIHFISPNIYCCGAGTAADTDMTTQ
LISSNLELHSLSTGRLPRVVTANRMLKQMLFRYQGYIGAALVLGGVDVTGPHLYSIY
PHGSTDKLPYVTMGSGSLAAMAVFEDKFRPDMEEEEAKNLVSEAIAAGIFNDLGSG
SNIDLCVISKNKLDLFLRPYTVPNKKGTRLGRYRCEKGTTAVLTEKITPLEIEVLEETVQ
TMD

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



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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 Human PSMB7 partial protein (44-275aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. PSMB7, also known as beta-macropain chain proteasome subunit proteasome subunit alpha or proteasome subunit beta2, 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.