



Recombinant Rat CTSZ Protein Product Manual

1. Product Basic Information

Product No.: REP06597

Protein Name: Cathepsin Cathepsin Cathepsin Cathepsin Cathepsin B2 (CTSZ)

Aliases: cathepsin cathepsin cathepsin cathepsin cathepsin B2; cathepsin IV; cathepsin Z1; preprocathepsin carboxypeptidase LB

UniProt ID: Q9UBR2

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9UBR2/entry>

Species Source: Rattus norvegicus (Rat)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (64-306aa)

Molecular Weight: 40.1 kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (64-306aa)

LPKNWDWRNVNGVNYASVTRNQHIPQYCGSCWAHGSTSALADRINIKRKGAWPS
TLLSVQNVIDCGNAGSCEGGNDLPVWEYAHKHGIPDETCNNYQAKDQECDFNQ
GTCTEFKECHTIQNYTLWRVGDYGSLSGREKMMAEIYANGPISCGIMATERMSNYT
GGIYTEYQNQAIIINHISVAGWGVSNDEYEWIVRNSWGEPWGERGWMRIVTSTYK
GGTGSSYNLAIEEACTFGDPIV

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



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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 Rat CTSZ full length of mature protein protein (64-306aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. CTSZ, also known as cathepsin cathepsin cathepsin cathepsin cathepsin B2 or cathepsin IV or cathepsin Z1, 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.