

Recombinant Mouse PDZK1 Protein Product Manual

1. Product Basic Information

Product No.: REP07763

Protein Name: PDZK1

Aliases: CAP70; CLAMP; PDZD1; NHERF3; NHERF-naPi-Cap1

UniProt ID: Q5T2W1

UniProt Link: <https://www.uniprot.org/uniprotkb/Q5T2W1/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-519aa)

Molecular Weight: 60.0 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (1-519aa)

MASTFNPRECKLSKQEGQNYGFFLRIEKDTDGHLIRVIEEGSPA EKAGLLDGDRVLR
INGVFVDKEEHAQVVELVRKSGNSVTLLVLDGDSYEKAVKNQVDLKELDQSQREAA
LNDKKPGPGMNGAVEPCAQPRLCYLVKEGNSFGFSLKTIQGKKGVYLT DIMPQGV
AMKAGVLADDHLIEVNGENVENASHEEVVEKVTKSGSRIMFLLVDKETARCHSEQK
TQFKRETASLKLLPHQPRVVVIKKG SNGYGFYLRAGPEQKGQIIKDIEPGSPA EAAAG
LKNNDLVVAVNGKSVEALDHDG VVEMIRKGGDQTLLVLDKEAESIYSLARFSPLLY
CQSQELPNGSVKEGPAPIPAPLEATGSEPTEDAEGHKPKLCRLLKEDDSYGFHLNAI
RGQPGSFVKEVQQGGPADKAGLE NEDVIIEVNGENVQEEP YDRVVERIKSSGKHVT
LLVCGKMAYS YFQAKKIPIVSSMAEPLVAGPDEKGETSAESEHDAHPAKDRTLSTAS
HSSNS E DTEM

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 Mouse PDZK1 full length protein (1-519aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. PDZK1, also known as CAP70 or CLAMP or PDZD1, 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.