

Recombinant Human PKD1 Protein Product Manual

1. Product Basic Information

Product No.: REP07799

Protein Name: Polycystic Kidney Disease 1 (Autosomal Dominant (PKD1))

Aliases: PBP; PC1; Pc-TRPP1; eliosin; polycystic kidney disease 1 (autosomal dominant)

UniProt ID: P98161

UniProt Link: <https://www.uniprot.org/uniprotkb/P98161/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (25-636aa)

Molecular Weight: 66.5 kDa

Protein Tag: N-terminal 6xHis-tagged and C-terminal 6xHis-tagged

2. Amino Acid Sequence (25-636aa)

GPGRGCGPCEPPCLCGPAPGAACRVNCSGRGLRTLGPALRIPADATALDVSHNLL
RALDVGLLANLSALAEIDISNNKISTLEEGIFANLNLSEINLSGNPFECDCGLAWLPR
WAEQQVRVWQPEAATCAGPGSLAGQPLLGIPLLDSGCGEEYVACLDPDNSSGTVA
AVSFSAHEGLLQPEACSAFCFSTGQGLAALSEQGWCLCGAAQPSSASFAFLSLC
SGPPPPPAPTCTRGPTLLQHVFPPASPGATLVGPHGPLASGQLAAFHIAAPLPVTATR
WDFGDGSAEVDAAGPAASHRYVLPGRYHVTAVLALGAGSALLGTDVQVEAAPAAL
ELVCPSSVQSDESLDLSIQNRGGSGLEAAYSIVALGEEPRAVHPLCPSDTEIFPGN
GHCYRLVVEKAAWLQAQEQCQAWAGAALAMVDSPAVQRFLVSRVTRSLDVWIGF
STVQGVVEVGPAPQGEAFSLESCQNWLPGEHPATAEHCVRLGPTGWCNTDLCSA
PHSYVCELQPGGPVQDAENLLVGAPSGDLQGPLTPLAQDGLSAPHEPVEVMVFP
GLRLSREAFLLTAEFGTQELRRPAQLRLQVYRLLSTAGTPENGSEPESSPDRNTQ
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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)

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 Human PKD1 partial protein (25-636aa) expressed in E.coli. The protein is dual-tagged with 6xHis tag at the N-terminus and 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PKD1, also known as PBP or PC1 or Pc-TRPP1, 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.