

Recombinant Mouse VRK1 Protein Product Manual

1. Product Basic Information

Product No.: REP08643

Protein Name: VRK1

Aliases: PCH1; PCH1A; HMNR10

UniProt ID: Q99986

UniProt Link: <https://www.uniprot.org/uniprotkb/Q99986/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-440aa)

Molecular Weight: 55.2kDa

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

2. Amino Acid Sequence (1-440aa)

MPRVKAAQAGRPGPAKRRLAEQFAAGEVLTDMSRKEWKLGLPIGQGGFGCIYLAD
TNSSKPVGSDAPCVVKVEPSDNGPLFTELKIFYQRAAKPEQIQKWIRTHKLKYLGV
KYWGSLHDKNGKSYRFMIMDRFGSDLQKIYEANAKRFSRKTVLQLSLRILDILEYIH
EHEYVHGDIKASNLLLSHKNPDQVYLVVDYGLAYRYCPDGVHKEYKEDPKRCHDGT
EFTSIDAHKGVAPSRRGDLEILGYCMIQWLSGCLPWEDNLKDPNYVRDSKIRYRDN
VAALMEKCFPEKNKPGEIAKYMESVKLLEYTEKPLYQNLRDILLQGLKAIGSKDDGK
LDFSAVENGSVKTRPASKKRKKEAEESAVCAVEDMECSDTQVQEEAAQTRSVESQG
AIHGSMQPAAGCSSSDSSRRQQHLGLEQDMLRLDRRGSRTTRKKAQK

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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 Mouse VRK1 full length protein (1-440aa) expressed in E.coli. The protein is dual-tagged with 6xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. VRK1, also known as PCH1 or PCH1A or HMNR10, 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.