

# Recombinant Mouse QDPR Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07978

**Protein Name:** Dihydropteridine Reductase (QDPR)

**Aliases:** DHPR; PKU2; HDHPR; SDR33C1; dihydropteridine reductase; 6,7-dihydropteridine reductase; quinoid dihydropteridine reductase; testis secretory sperm-binding protein Li 236P

**UniProt ID:** P09417

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P09417/entry>

**Species Source:** Mus musculus (Mouse)

**Expression System:** E.coli

**Protein Length:** Full Length (1-241aa)

**Molecular Weight:** 32.5 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (1-241aa)

MAASGEARRVLVYGGRGALGSRCVQAFRARNWWWASIDVVENEEASASVVVKMT  
DSFTEQADQVTADVGLKLLGDQKVDAILCVAGGWAGGNAKSKSLFKNCDMMWKQS  
MWTSTISSHLATKHLKEGGLLTLAGAKAALDGTGPMIGYGMAGAVHQLCQSLAGK  
NSGMPPGAAAIAPVTLDTMPNKRKSMPEADFSSWTPLEFLVETFHDWITGNKRPN  
SGSLIQVVTTDGTTELTPAYF

## 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 Mouse QDPR full length protein (1-241aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. QDPR, also known as DHPR or PKU2 or HDHPR, 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.