



# Recombinant Mouse CYB5R3 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06609

**Protein Name:** NADH-Cytochrome B5 Reductase 3 Soluble Form (CYB5R3)

**Aliases:** B5R; DIA1; NADH-cytochrome b5 reductase 3 soluble form

**UniProt ID:** P00387

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P00387/entry>

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

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (2-301aa)

**Molecular Weight:** 40.9 kDa

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

## 2. Amino Acid Sequence (2-301aa)

GAQLSTLSHVVLSPVWFIYSLFMKLFQRSTPAITLENPDIKYPLRLIDKEVISPDTRRF  
RFALPSPQHILGLPIGQHIYLSTRIDGNLVIRPYTPVSSDDDKGFVDLVVKVYFKDTH  
PKFPAGGKMSQYLENMKIGDTIEFRGPNGLLVYQGKGKFAIRADKKSNPVVRTVKS  
VGMIAGGTGITPMLQVIRAVLKDPNDHTVCYLLFANQSEKDILLRPELEELRNEHSAR  
FKLWYTVDKAPDAWDYSQGFVNEEMIRDHLPTPGEEPLILMCGPPPMIQFACLPNL  
ERVGHPKERCFTF

## 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

## 5. Product Description

This product is a recombinant Mouse CYB5R3 full length of mature protein protein (2-301aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. CYB5R3, also known as B5R or DIA1 or NADH-cytochrome b5 reductase 3 soluble form, 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.