

# Recombinant strain MC58 porA Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07847

**Protein Name:** Protochlorophyllide Oxidoreductase A (porA)

**Aliases:** protochlorophyllide oxidoreductase A

**UniProt ID:** P0DH58

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P0DH58/entry>

**Species Source:** Neisseria meningitidis serogroup B (strain MC58)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (20-392aa)

**Molecular Weight:** 44.1 kDa

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

## 2. Amino Acid Sequence (20-392aa)

DVSLYGEIKAGVEGRNYQLQLTEAQAANGGASGQVKVTKVTKAKSRIRTKISDFGS  
FIGFKGSEDLGDGLKAVWQLEQDVSVAGGGATQWGNRESFIGLAGEFGTLRAGRV  
ANQFDDASQAIDPWDSNNDVASQLGIFKRHDDMPVSVRYDSPEFSGFSGSVQFVP  
IQNSKSAYTPAYYTKNTNNTLVPVAVGKPGSDVYYAGLNYKNGGFAGNYAFKYA  
RHANVGRNAFELFLIGSGSDQAKGTDPLKNHQVHRLTGGYEEGGLNLALAAQLDLS  
ENGDKTKNSTTEIAATASYRFGNAVPRISYAHGFDFIERGKKGENTSYPDQIIAGVDY  
DFSKRTSAIVSGAWLKRNTGIGNYTQINAASVGLRHKF

## 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 protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause



## 5. Product Description

This product is a recombinant strain MC58 porA full length of mature protein protein (20-392aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. porA, also known as protochlorophyllide oxidoreductase A, 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.