

Recombinant *Neisseria meningitidis* serogroup B porB Protein Product Manual

1. Product Basic Information

Product No.: REP07848

Protein Name: P450 (Cytochrome) Oxidoreductase B (porB)

Aliases: P450 (cytochrome) oxidoreductase b

UniProt ID: E6MZM0

UniProt Link: <https://www.uniprot.org/uniprotkb/E6MZM0/entry>

Species Source: *Neisseria meningitidis* serogroup B

Expression System: *E. coli*

Protein Length: Full Length of Mature Protein (20-331aa)

Molecular Weight: 37.9 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (20-331aa)

DVTLYGTIKAGVETSRVAHNGAQAASVETGTGIVDLGSKIGFKGQEDLGNGLKAIW
QVEQKASIAGTDSGWGNRQSFGLKGGFGKLRVGRRLNSVLKDTGDINPWDSKSDY
LGVNKIAEPEARLISVRYDSPEFAGLSGSVQYALNDNAGRHNSESYHAGFNYKNGG
FFVQYGGAYKRHHRVQEDINIEKYQIHRLVSGYDNDALHASVAVQQQDAKLVEENY
SHNSQTEVAATLAYRFGNVTPRVSYAHGFRGLVDSADYTNDYDQVVVGAEYDFSK
RTSALVSAGWLQEGKGKKNKFVSTAGGVGLRHKF

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



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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 *Neisseria meningitidis* serogroup B porB full length of mature protein protein (20-331aa) expressed in *E.coli*. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. porB, also known as P450 (cytochrome) oxidoreductase b, 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.