

Recombinant strain K12 / MC4100 / BW2952 pyrF Protein Product Manual

1. Product Basic Information

Product No.: REP07976

Protein Name: Orotidine 5'-Phosphate Decarboxylase (Ec 4.1.1.23) (Omp Decarboxylase) (Ompdcase) (Ompdecase) PyrF B (pyrF)

Aliases: Orotidine 5'-phosphate decarboxylase (EC 4.1.1.23) (OMP decarboxylase) (OMPDCase) (OMPdecase) pyrF B

UniProt ID: C4ZTX6

UniProt Link: <https://www.uniprot.org/uniprotkb/C4ZTX6/entry>

Species Source: Escherichia coli (strain K12 / MC4100 / BW2952)

Expression System: E.coli

Protein Length: Full Length (1-245aa)

Molecular Weight: 33.3 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-245aa)

MLTASSSSRAVTNSPVVVALDYHNRDDALAFVDKIDPRDCRLKVGKEMFTLFGPQ
FVRELQQRGFDIFLDLKFHDIPNTAAHAAAAADLGVWMVNVHASGGARMMTAAR
EALVPFGKDAPLLIAVTVLTSMEASDLVDLGMTLSPADYAERLAALTQKCGLDGVVC
SAQEAVRFKQVFGQEFKLVTPGIRPQGSEAGDQRRIMTPEQALSAGVDYMVIGRPV
TQSVDPAQTLKAINASLQRSA

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 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 strain K12 / MC4100 / BW2952 pyrF full length protein (1-245aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. pyrF, also known as Orotidine 5'-phosphate decarboxylase (EC 4.1.1.23) (OMP decarboxylase) (OMPDCase) (OMPdecase) pyrF 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.