



Recombinant strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PRS 101 / PAO1 oprF Protein Product Manual

1. Product Basic Information

Product No.: REP07694

Protein Name: Outer Membrane Porin F (oprF)

Aliases: outer membrane porin F

UniProt ID: P13794

UniProt Link: <https://www.uniprot.org/uniprotkb/P13794/entry>

Species Source: Pseudomonas aeruginosa (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PRS 101 / PAO1)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (25-350aa)

Molecular Weight: 39.3 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (25-350aa)

QQQNSVEIEAFGKRYFTDSVRNMKNADLYGGSIGYFLTDDVELALSYGEYHDVRGT
YETGNKKVHGNLTSLDAIYHFGTPGVGLRPYVSAGLAHQNITNINSDSQGRQQMTM
ANIGAGLKYYFTENFFAKASLDGQYGLEKRDNGHQGEWMAGLGVGFNFGGSKAA
PAPEPVADVCDSDNDGVCDNVDKCPDTPANVTVDANGCPAAVEVVRVQLDVKF
DFDKSKVKENSYADIKNLADFMKQYPSTSTTVEGHTDSVGTDAYNQKLSERRANAV
RDVLVNEYGVEGGRVNAVGYGESRPVADNATAEGRAINRRVEAEVEAEAK

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.



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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 ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PRS 101 / PAO1 oprF full length of mature protein protein (25-350aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. oprF, also known as outer membrane porin F, 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.