

# Recombinant strain 536 / UPEC pagP Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07724

**Protein Name:** Lipid A Palmitoyltransferase Pagp (Ec 2.3.1.251) (Lipid A Acylation Protein) Pagp Ecp\_0653 (pagP)

**Aliases:** Lipid A palmitoyltransferase PagP (EC 2.3.1.251) (Lipid A acylation protein) pagP ECP\_0653

**UniProt ID:** Q0TK50

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q0TK50/entry>

**Species Source:** Escherichia coli O6:K15:H31 (strain 536 / UPEC)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (26-186aa)

**Molecular Weight:** 21.3

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

## 2. Amino Acid Sequence (26-186aa)

NADEWMTTFRENIAQTWQQPEHYDLYIPAITWHARFAYDKEKTDYNERPWGGGF  
GQSRWDEKGNWHGLYAMAFKDSWNKWEPIAGYGWESTWRPLADENFHLGLGFT  
AGVTARDNWNWIPLPVLLPLASVGYGPATFQMTYIPGTYNNGNVYFAWMRFQF

## 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



## 5. Product Description

This product is a recombinant strain 536 / UPEC pagP full length of mature protein protein (26-186aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. pagP, also known as Lipid A palmitoyltransferase PagP (EC 2.3.1.251) (Lipid A acylation protein) pagP ECP\_0653, 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.