

Recombinant strain HLHK9 pyrE Protein Product Manual

1. Product Basic Information

Product No.: REP07975

Protein Name: Orotate Phosphoribosyltransferase (pyrE)

Aliases: pyrE; LHK_03212; Orotate phosphoribosyltransferase; OPRT; OPRTas

UniProt ID: C1D6F5

UniProt Link: <https://www.uniprot.org/uniprotkb/C1D6F5/entry>

Species Source: Laribacter hongkongensis (strain HLHK9)

Expression System: E.coli

Protein Length: Full Length (1-213aa)

Molecular Weight: 38.9kDa

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

2. Amino Acid Sequence (1-213aa)

MSDFRQDFIRFAVEEQVLRFGFVTKAGRPSYFFNAGLFNHGASLLSLARFYARSI
SESGIAFDMLFGPAYKGI VLAGATAMMLAEQGRDVPFAFNRKEAKDHGEGGTLIGA
PLKGRVLIIDDVISAGTSVRESVEIIRANGAEPAGVAIALDRMERGQGELSATQEVAQ
KFGLPVVAIASLDDLLGFLAGSPDLADNLTRVEAYRTQYGVR

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 HLHK9 pyrE full length protein (1-213aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. pyrE, also known as pyrE or LHK_03212 or Orotate phosphoribosyltransferase, 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.