

PfLDH recombinant protein

PfLDH Protein, *P. falciparum*, Recombinant (His Tag)

CATALOG #
AAA258072

HOST
E Coli

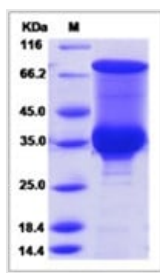
PRODUCT SYNONYMS

PfLDH; PfLDH Protein; *P. falciparum*; Recombinant (His Tag); Plasmodium falciparum (strain 3D7) LDH/L-lactate dehydrogenase Protein (His Tag); L-lactate dehydrogenase Protein; PfLDH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	≥95% as determined by SDS-PAGE.
Form/Format	Lyophilized from sterile PBS pH7.4, 5% Trehalose, 5% mannitol, 0.01% Tween-80
Source	<i>P. falciparum</i>
Predicted N Terminal	Met
Protein Construction	A DNA sequence encoding the PfLDH (XP_001349989.1)(Met1-Ala316) was expressed with a polyhistidine tag at the C-terminus.
Reconstitution	Reconstituted with sterile deionized water to 0.25 mg/ml
Activity	Enzyme Activity: Measured by its ability to reduce pyruvate to lactate. The specific activity is >50,000 pmoles/min/ug
Preparation and Storage	Samples are stable for twelve months from date of receipt -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PfLDH recombinant protein

Background: Plasmodium falciparum lactate dehydrogenase (PfLDH) is a key enzyme for energy generation of malarial parasites and is considered to be a potential antimalarial target. The ability of PfLDH- or PfLDH-based immuno-PCR assays to detect <1 parasite/microL suggests that improvements of bound antibody sensor technology may greatly increase the sensitivity of malaria rapid test tests. The PfLDH test could be used to detect failures and, therefore, to assess anti-malarial efficacy.

NCBI AND UNIPROT INFORMATION

Molecular Weight	The recombinant PfLDH consists 322 amino acids and predicts a molecular mass of 34.93kDa.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pfldh-recombinant-protein-e-coli/258072>