



## PRODUCT SPECIFICATION SHEET

### Protein Name: Recombinant Plasmodium vivax LDH antigen

**Catalog No:** RP-030

**Description:** Recombinant lactate dehydrogenase protein of *Plasmodium vivax* expressed as insoluble protein in *E.coli*.

**Concentration:** 1-5mg/ml (customizable)

**Source:** *Escherichia coli* (*E. coli*)

**Format:** Purified liquid

**Buffer:** 25 mM Tris, pH.7.2, 1 % triton-x 100, 1 mM EDTA, 150 mM NaCl, 1 mM PMSF.

### PREPARATION:

**Expression System:** *Escherichia coli* (*E. coli*)

**Tag:** 6X histidine tag

**Purification:** His-tag affinity purification by Immobilized metal ion affinity Chromatography

**Purity:** >95% as determined by SDS PAGE

**Molecular Weight:** The predicted size of protein is **36 kDa**.

**Purity:** Determined by SDS-PAGE under reducing conditions and visualized by Coomassie Blue staining.

**Preservative:** None

**Application:** Suitable for use in Elisa and lateral flow. Use optimum working concentration for particular application.

**Shipping:** Protein is shipped in ice pack.

**Storage:** It should be aliquoted as per requirement upon arrival to avoid multiple freezing & thawing cycles.

Long term storage: -20°C to -80°C

Short term storage: 2-8°C

**Stability:** 3 years from the manufacturing date.

**Safety note:** Refer to the appropriate safety data sheet (SDS) for additional information.

**Reconstitution:** The protein can be aliquoted and diluted as per requirement.

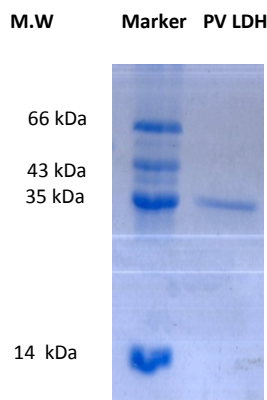


Figure- SDS PAGE Analysis

**This product is furnished for LABORATORY RESEARCH or MANUFACTURING use only.**

