

Datasheet: PIP001

**BATCH NUMBER 165923**

<b>Description:</b>	RECOMBINANT PLASMODIUM FALCIPARUM HRP2
<b>Name:</b>	PLASMODIUM FALCIPARUM HRP2
<b>Other names:</b>	HISTIDINE RICH PROTEIN-2
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Product Form</b>	Purified recombinant protein - liquid
<b>Preparation</b>	Recombinant <i>Plasmodium falciparum</i> HRP2 expressed in <i>Escherichia coli</i> .
<b>Source</b>	E.coli
<b>Buffer Solution</b>	Sodium carbonate buffer, pH9.6
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Total protein concentration 1.0 mg/ml
<b>External Database Links</b>	<b>UniProt:</b> <a href="https://www.uniprot.org/entry/P90582">P90582</a> <a href="#">Related reagents</a>

**Product Information** This product is recombinant *Plasmodium falciparum* histidine rich protein-2, a member of the histidine rich protein family found in the malaria parasite. Histidine rich protein-2 is secreted by *Plasmodium falciparum* into the host erythrocyte cytosol and is expressed on the cell membrane or associated with the cytoskeleton of infected erythrocytes. Histidine rich protein-2 is thought to polymerise free haem to form haemozoin. It is also thought to play a role in the polymerisation of ferriprotoporphyrin IX, a by-product of haemoglobin degradation.

This protein contains a proprietary protein fusion partner.

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**Protein Molecular Weight** 37 kDa

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**Purity** ~90% by SDS PAGE analysis

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**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10573 available at: <https://www.bio-rad-antibodies.com/SDS/PIP00110573>

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**Regulatory** For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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