

## Recombinant Malaria Falciparum PFCS protein

**Cat. No.** PFCS-240M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The E.Coli derived recombinant protein contains the Plasmodium Falciparum Cs Mosaic protein epitopes 107-129, 334-351 amino acids.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Malaria Falciparum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Length</b>   | 107-129;334-351 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Plasmodium falciparum is a protozoan parasite, one of the species of Plasmodium that cause malaria. Malaria parasites are members of the Apicomplexa. Apicomplexa are characterized by a set of organelles found in some stages of the parasite's life cycle. These organelles, collectively known as apical organelles because of their localization at one end of the parasite, are involved in interactions between the parasite and host. In particular, the apical organelles have been implicated in the process of host cell invasion. In the case of Plasmodium, three distinct invasive forms have been identified: sporozoite, merozoite, and ookinete. |
| <b>Form</b>             | Sterile Filtered clear solution.<br>150mM Imidazole, pH 8.0, 150mM NaCl, 25mM Sodium Phosphate and 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | Protein is >95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b> | Use as an antigen in ELISA and Western Blots.                                                                                                                                  |
| <b>Usage</b>        | The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals. |
| <b>Storage</b>      | PfCs Mosaic although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.                                                                |
| <b>Shipping</b>     | Ice Packs                                                                                                                                                                      |

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