



# Recombinant *P. falciparum* Circumsporozoite Protein (a.a 19- 424) (DAG1344F)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	A DNA sequence encoding the plasmodium falciparum circumsporozoite protein (a.a.19-424) was expressed with His tags
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Conjugate</b>	His
<b>Applications</b>	Immunoassays
<b>Molecular Weight</b>	45 kDa
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements
<b>Size</b>	1 mg
<b>Buffer</b>	50mM Tris-HCl, 200mM NaCl, pH8.0, 2M urea
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C. Avoid multiple freeze/thaw cycles.
<b>Ship</b>	Dry ice

## BACKGROUND

<b>Introduction</b>	The <i>P. falciparum</i> circumsporozoite protein (PfCSP) covers the surface of the sporozoite and is critical to sporozoite development in the mosquito and cell invasion in the mammalian host. PfCSP is the leading pre-erythrocytic vaccine candidate and the basis for the most advanced
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malaria vaccine, RTS,S (Mosquirix®).

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**Keywords**

P. falciparum; Plasmodium; Malaria; CSP; Circumsporozoite protein

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## GENE INFORMATION

**UniProt ID**

Q27246

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