



# Recombinant Plasmodium falciparum Plasmepsin I (PMI)

<b>Product Code</b>	CSB-YP745322EWP
<b>Abbreviation</b>	PF14_0076
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q7KQM4
<b>Storage Buffer</b>	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Plasmodium falciparum (isolate 3D7)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	AGDSVT LNDVANVMYY GEAQIGDNKQ KFAFIFDTGS ANLWVPSAQC NTIGCKTKNL YDSNKSPTYE KDGTKVEMNY VSGTVSGFFS KDIVTIANLS FPYKFIEVTD TNGFEPAYTL GQFDGIVGLG WKDLSIGSVD PVVVELKNQN KIEQAVFTFY LPFDDKHKGY LTIGGIEDRF YEGQLTYEKL NHDLYWQVDL DLHFGNLTVE KATAIVDSGT SSITAPTEFL NKFFEGLDVV KIPFLPLYIT TCNNPKLPTL EFRSATNVYT LEPEYYLQQI FDFGISLCMV SIIPVDLNKN TFILGDPFMR KYFTVFDYDN HTVGFALAKK KL
<b>Source</b>	Yeast
<b>Target Names</b>	PF14_0076
<b>Protein Names</b>	Recommended name: Plasmepsin-1 EC= 3.4.23.38 Alternative name(s): Aspartic hemoglobinase I PfAPG
<b>Expression Region</b>	125-452
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.