



Recombinant Plasmodium falciparum Plasmepsin I (PMI)

Product Code	CSB-MP745322EWP
Abbreviation	PF14_0076
Storage	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.
Uniprot No.	Q7KQM4
Storage Buffer	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Product Type	Recombinant Proteins
Immunogen Species	Plasmodium falciparum (isolate 3D7)
Purity	>85% (SDS-PAGE)
Sequence	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
Source	Mammalian cell
Target Names	PF14_0076
Protein Names	Recommended name: Plasmepsin-1 EC= 3.4.23.38 Alternative name(s): Aspartic hemoglobinase I PfAPG
Expression Region	125-452
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Reconstitution	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.
Shelf Life	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.