



# Recombinant Plasmodium falciparum Plasmepsin I (PMI)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP745322EWP   |
| <b>Relevance</b>         | Participates in the digestion of the host hoglobin. Initial cleavage at the hinge region of hoglobin, than cleaves at other sites, leading to denaturation of the molecule and to further degradation .   |
| <b>Abbreviation</b>      | Recombinant Plasmodium falciparum PMI protein   |
| <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>Product Type</b>      | Recombinant Proteins  |
| <b>Immunogen Species</b> | Plasmodium falciparum (isolate 3D7)   |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.   |
| <b>Sequence</b>          | AGDSVTLNDVANVMYYGEAQIGDNKQKFAFIFDTGSANLWVPSAQCNTIGCKT<br>KNLYDSNKSSTYKDGTKVEMNYVSGTVSGFFSKDIVTIANLSFPYKFIEVTD<br>NGFEPAYTLGQFDGIVGLGWKDLSIGSVDPVVVELKNQNKIEQAVFTFYLPFD<br>DKHKGYLTIIGGIEDRFYEGQLTYEKLNHDLYWQVDLDLHFGNLTVEKATAIVDS<br>GTSSITAPTEFLNKFFEGLDVVKIPFLPLYITTCNNPKLPTLEFRSATNVYTLEPE<br>YYLQQIFDFGISLCMVSIIPVDLNKNTFILGDPFMRKYFTVFDYDNHTVGFALAK<br>KKL |
| <b>Research Area</b>     | Others  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | PF14_0076   |
| <b>Protein Names</b>     | Recommended name: Plasmepsin-1 EC= 3.4.23.38Alternative name(s):<br>Aspartic hemoglobinase I PfAPG  |
| <b>Expression Region</b> | 125-452aa   |
| <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>          | N-terminal 6xHis-SUMO-tagged  |
| <b>Mol. Weight</b>       | 52.9kDa   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Image</b>             |   |

