

Plasmodium MSP1-p19 Recombinant Protein

PX-P2080-10

DESCRIPTION

MSP1-p19 (Merozoite surface proteins) is a protein located on the surface of Plasmodium falciparum merozoites. The protein is a good target for vaccine development against malaria, a disease caused by protozoans because they are accessible to antibodies in the plasma. It also induce both inhibitory as well as blocking antibodies, the latter blocking the protective effects of the former. The malaria parasite, in its asexual, blood invading stage called the merozoite stage, infects red blood cells. The MSP1 complex of surface proteins likely mediates the first interactions of the parasite with red blood cells.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Plasmodium
FRAGMENT	
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	23.79 kDa
DELIVERY CONDITION	The product is shipped at ambient temperature

PRODUCT INFORMATION

EXPRESSION SYSTEM	Prokaryotic expression
HOST	E.coli
PURITY	80%
PROTEIN ACCESSION	AHN52397.1
FORM	Lyophilized
BUFFER	PBS, pH 7.5
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

MORE INFO

GENE ID

SWISSPROTID X2J7U7

UNIPROT ID X2J7U7

UNIPROT LINK <http://www.uniprot.org/uniprot/X2J7U7>

NCBI GENE ALIASES

SYNONYMS MSP1-p19, Merozoite surface protein 1

PROTEIN SEQUENCE

MGSSHHHHHSSGMEVKIQKIKDNNNVQETIENLKKNKREGEDNYLYDSNNR TKKLS PNEHRNRKQLWTRFKQLRIVHENNMNSLFSNFDQQDLEQIYEDVSQ
HICINTVCPINSGCIRRLNGKEECRLLNFKKEGMMCVPDENPTCEINNGGCDTTANCTSNGEQITCTCKLNKSFPIHQGIFCSSSNYLSLSFLLIIFIYIT

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