

Plasmodium falciparum PF10Nter Recombinant Protein

PX-P1139-10

DESCRIPTION

Tryptophan-rich protein expressed in the late stage schizonts and merozoite stages and because of its association with the surface of merozoites. The protein is localized on the surface of merozoites. The characteristic of the protein is similar to a *P. yoelii* antigen, pypAg-3, which have been successfully used in vaccination studies in mice. The conservation and uniqueness of the tryptophan-rich domains in plasmodial species, is an indication that it may be an important and essential feature of parasite function.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Plasmodium falciparum
FRAGMENT	Partial (Nter)*
PROTEIN DELIVERED WITH TAG	No
MOLECULAR WEIGHT WITH TAG IF ANY	68,24 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Prokaryotic expression
HOST	E.coli
PURITY	0,8
PROTEIN ACCESSION	XP_001347311.1*
FORM	liquid
BUFFER	Tris-HC 50mM, NaCl 150mM, DTT 1mM, pH 7,5 if cleavage
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	810184
SWISSPROTID	Q8IK14
UNIPROT ID	Q8IK14
UNIPROT LINK	http://www.uniprot.org/uniprot/Q8IK14
NCBI GENE ALIASES	
SYNONYMS	PF10Nter , Tryptophan-rich antigen 3, putative, PF10_0026, PF3D7_1002200

PROTEIN SEQUENCE

GPLGSMQINPMEKSSFVQTRIFPPKPTIFSLEKNDDFLNTHNEGFLILSYCF AISLFMYIVLKNLYYLYIFKRTRIKIIE
SLNNDNNVENEIEEMKRVKNLIMEQVIHELMRKSIISKRRRTRKDIETDLSQNVNEDMNLKENEIEMTQVETLKHLIHN
LLTEFHDTKEKNLESFIKFLQLMTLEKNEKEFSNNILVKDLMDYIINIGKKEIQKSNTQLSQASSQNYIPSNENDIYIF
QIQVIKELLKNN

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