

Recombinant Plasmodium Falciparum MDR1 Protein (1084-1419 aa), His-tagged

Cat. No. MDR1-1574P **Lot. No.** (See product label)

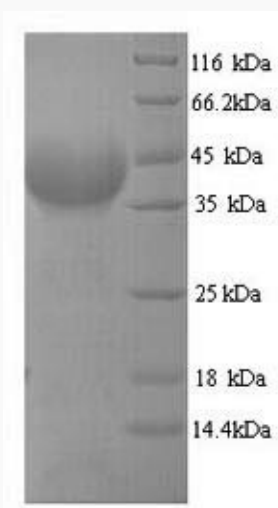
SPECIFICATION

Product Overview	Recombinant Plasmodium Falciparum (isolate FC27/Papua New Guinea) MDR1 Protein (1084-1419 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Plasmodium Falciparum
Source	Yeast
ProteinLength	1084-1419 aa
Description	Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	40.2 kDa
AA Sequence	KGDSENAKLSFEKYYPLMIRKSNIDVRDDGGIRINKNLIKGVKVDKDVNFRYISRPNVPI YKNLSFTCDSDKTTAIVGETGSGKSTFMNLLRFYDLKNDHIILKNDMTNFDQYQNN NNNSLVLKNVNEFSNQSGSAEDYTVFNNGEILLDDINICDYNLRDLRNLFISVSQEP MLFNMSIYENIKFGREDATLEDVKRVSKFAAIDEFIESLPNKYDTNVGPYGKSLSGGQ KQRIAIARALLREPKILLDEATSSLDSEKLEKTIVDIKDKADKTIITIAHRIASIKRSD KIVVFNNPDRNGTFVQSHGTHDELLSAQDGIYKKYVKLAK

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Synonyms	MDR1; Chloroquine resistance protein;
UniProt ID	P13568
	

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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