

Recombinant Plasmodium falciparum Multidrug resistance protein

Catalog No: #AP72884

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Package Size: #AP72884-1 20ug #AP72884-2 100ug #AP72884-3 1mg

Description

Product Name	Recombinant Plasmodium falciparum Multidrug resistance protein
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1084-1419aaSequence Info:Cytoplasmic Domain
Other Names	Chloroquine resistance protein
Accession No.	P13568
Uniprot	P13568
Calculated MW	40.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p>KGDSENAKLSFEKYYPLMIRKSNIDVRDDGGIRINKNLIKGVKVDIKDVNFRYISRPNVPIYKNLSFTCDSSKTTAIV GETGSGKSTFMNLLRFYDLKNDHIILKNDMTNFQDYQNNNNNSLVKKNVNEFSNQSGSAEDYTVFNNNGEIL LDDINICDYNLRDLRNLFSIVSQEPMLFNMSIYENIKFGREDATLEDVKRVSKFAAIDEFIESLPNKYDTNVGPYG KSLSGGQKQRIAIARALLREPKILLLDEATSSLDSNSEKLEKTIVDIKDKADKTIITIAHRIASIKRSDKIVVFNNPD RNGTFVQSHGTHDELLSAQDGIYKKYVKLAK</p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p>

Background

Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells.

References

Amplification of the multidrug resistance gene in some chloroquine-resistant isolates of *P. falciparum*. Foote S.J., Thompson J.K., Cowman A.F., Kemp D.J. Cell 57:921-930(1989) Research Topic: Others

Note: This product is for in vitro research use only