

Recombinant Plasmodium falciparum Multidrug resistance protein(MDR1),partial

Catalog No: #AP70985

Package Size: #AP70985-1 20ug #AP70985-2 100ug #AP70985-3 1mg

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Description

Product Name	Recombinant Plasmodium falciparum Multidrug resistance protein(MDR1),partial
Host Species	E.coli
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
Calculated MW	54.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	KGDSENAKLSFEKYYPMLIRKSNIDVRDDGGIRINKNLIKGKVDIKDVNFRYISRPNVPIYKNLSFTCDSSKTTAIV GETGSGKSTFMNLLRFYDLKNDHIILKNDMTNFQDYQNNNNNSLVLKNVNEFSNQSGSAEDYTVFNNNGEIL LDDINICDYNLRDLRNLFISVSQEPMLFNMSIYENIKFGREDATLEDVKRVSKFAAIDEFIESLPNKYDTNVPYGY KSLSGGQKQRIAIARALLREPKILLDEATSSLDNSSEKLIKTIVDIKDKADKTIITIAHRIASIKRSDKIVVFNNPD RNGTFVQSHGTHDELLSAQDGIYKKYVKLAK
Formulation	Tris-based buffer50% glycerol
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°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.

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 and is not intended for use in humans or animals.