

Multidrug resistance protein 1 Recombinant Protein | mrp1 recombinant protein

Recombinant Human Multidrug resistance protein 1

CATALOG # AAA116200	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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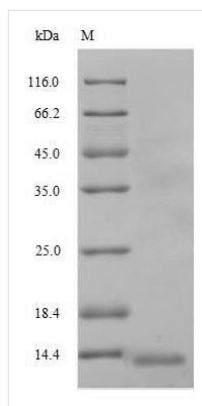
PRODUCT SYNONYMS

Multidrug resistance protein 1; Recombinant Human Multidrug resistance protein 1; ATP-binding cassette sub-family B member 1; P-glycoprotein 1; CD243; mrp1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	236-297aa; Partial
Sequence	LSSFTDKELL AYAKAGAVAE EVLAAIRTVI AFGGQKKELE RYNKNLEEAK RIGIKKAITA NI
Sequence Length	1280
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for mrp1 recombinant protein	Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells.
Product Categories/Family for mrp1 recombinant protein	Transport

References

Internal duplication and homology with bacterial transport proteins in the *mdr1* (P-glycoprotein) gene from multidrug-resistant human cells. Chen C.-J., Chin J.E., Ueda K., Clark D.P., Pastan I., Gottesman M.M., Roninson I.B. *Cell* 47:381-389(1986) Genomic organization of the human multidrug resistance (MDR1) gene and origin of P-glycoproteins. Chen C.-J., Clark D.P., Ueda K., Pastan I., Gottesman M.M., Roninson I.B. *J. Biol. Chem.* 265:506-514(1990) Multidrug-resistant human sarcoma cells with a mutant P-glycoprotein, altered phenotype, and resistance to cyclosporins. Chen G., Duran G.E., Steger K.A., Lacayo N.J., Jaffrezou J.P., Dumontet C., Sikic B.I. *J. Biol. Chem.* 272:5974-5982(1997) Cloning of P-glycoprotein cDNA sequence from breast cancer MCF7 cell line. Jiang Y., Sun Q., Xie Z., Liu F., Xu W., Wang Y. NIEHS SNPs program Complete sequencing and characterization of 21,243 full-length human cDNAs. 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NCBI AND UNIPROT INFORMATION

NCBI GI #	42741659
NCBI GeneID	5243
NCBI Accession #	NP_000918.2
NCBI GenBank Nucleotide #	NM_000927.4
UniProt Accession #	P08183; Q12755; Q14812; A8K294; B5AK60
Molecular Weight	10.8 kDa
NCBI Official Full Name	multidrug resistance protein 1
NCBI Official Synonym Full Names	ATP binding cassette subfamily B member 1
NCBI Official Symbol	ABCB1
NCBI Official Synonym Symbols	CLCS; MDR1; P-GP; PGY1; ABC20; CD243; GP170
NCBI Protein Information	multidrug resistance protein 1
UniProt Protein Name	Multidrug resistance protein 1
UniProt Gene Name	ABCB1
UniProt Synonym Gene Names	MDR1; PGY1
UniProt Entry Name	MDR1_HUMAN

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