

Multidrug resistance protein 3 Recombinant Protein | Abcb4 recombinant protein

Recombinant Mouse Multidrug resistance protein 3

CATALOG # AAA114109	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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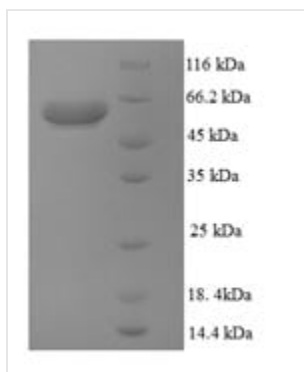
PRODUCT SYNONYMS

Multidrug resistance protein 3; Recombinant Mouse Multidrug resistance protein 3; Abcb4 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	352-708aa; Partial
Sequence	DAFANARGAA YVIFDIIDNN PKIDSFSEHG HKPDNIKGNL EFSDVHFSYP SRANIKILKG LNLKVKSGQT VALVGNSGCG KSTTVQLLQR LYDPTEGKIS IDGQDIRNFN VRCLREIIGV VSQEPVLFST TIAENIRYGR GNVMTDEIEK AVKEANAYDF IMKLPQKFDT LVGDRGAQLS GGQKQRIAIA RALVRNPKIL LLEATSALD TESEAEVQAA LDKAREGRTT IVIAHRLSTI RNADVIAGFE DGVIVEQGSF SELMKKEGIY FRLVNMQTAG SQILSEEFV ELSDEKAAGD VAPNGWKARI FRNSTKSLK SPHQNRLDEE TNELDANVPP VSFLKVLKLN KTEWPYF
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 Abcb4 recombinant protein	Energy-dependent phospholipid efflux translocator that acts as a positive regulator of biliary lipid secretion. Functions as a floppase that translocates specifically phosphatidylcholine (PC) from the inner to the outer leaflet of the canalicular membrane bilayer into the canaliculi between hepatocytes. Translocation of PC makes the biliary phospholipids available for extraction into the canaliculi lumen by bile salt mixed micelles and therefore protects the biliary tree from the detergent activity of bile salts (PubMed:8106172, PubMed:7912658, PubMed:7592705, PubMed:7814632, PubMed:8725158, PubMed:9366571). Plays a role in the recruitment of phosphatidylcholine (PC), phosphatidylethanolamine (PE) and sphingomyelin (SM) molecules to nonraft membranes and to further enrichment of SM and cholesterol in raft membranes in hepatocytes (By similarity). Required for proper phospholipid bile formation (PubMed:8106172). Indirectly involved in cholesterol efflux activity from hepatocytes into the canalicular lumen in the presence of bile salts in an ATP-dependent manner (PubMed:7814632, PubMed:8725158). May promote biliary phospholipid secretion as canaliculi-containing vesicles from the canalicular plasma membrane (PubMed:9366571). In cooperation with ATP8B1, functions to protect hepatocytes from the deleterious detergent activity of bile salts (PubMed:21820390). Does not confer multidrug resistance (PubMed:1990275).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	161086924
NCBI GeneID	18670
NCBI Accession #	NP_032856.2
NCBI GenBank Nucleotide #	NM_008830.2
UniProt Accession #	P21440; Q6LCL9; B9EK77
Molecular Weight	66.9kD
NCBI Official Full Name	phosphatidylcholine translocator ABCB4
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family B (MDR/TAP), member 4
NCBI Official Symbol	Abcb4
NCBI Official Synonym Symbols	Mdr2; Pgy2; Pgy-2; mdr-2
NCBI Protein Information	phosphatidylcholine translocator ABCB4
UniProt Protein Name	Phosphatidylcholine translocator ABCB4
UniProt Gene Name	Abcb4
UniProt Entry Name	MDR3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.