Recombinant Human ABCB4 Protein, His-tagged

Cat. No. ABCB4-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ABCB4 Protein (Ile1034-Leu1286) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile1034-Leu1286
Description	The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a full transporter and member of the p-glycoprotein family of membrane proteins with phosphatidylcholine as its substrate. The function of this protein has not yet been determined; however, it may involve transport of phospholipids from liver hepatocytes into bile. Alternative splicing of this gene results in several products of undetermined function.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.4 kDa Accurate Molecular Mass: 31 kDa

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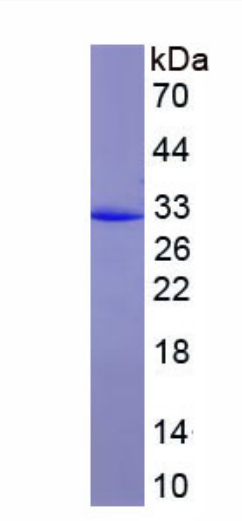
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ABCB4 ATP-binding cassette, sub-family B (MDR/TAP), member 4 [Homo sapiens (human)]
Official Symbol	ABCB4
Synonyms	ABCB4; ATP-binding cassette, sub-family B (MDR/TAP), member 4; MDR3, PGY3; multidrug resistance protein 3; GBD1; MDR2; PFIC 3; P-glycoprotein 3; multiple drug resistance 3; ATP-binding cassette sub-family B member 4; P glycoprotein 3/multiple drug resistance 3; P-glycoprotein-3/multiple drug resistance-3; MDR3; PGY3; ABC21; MDR2/3; PFIC-3
Gene ID	5244

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mRNA Refseq	NM_000443
Protein Refseq	NP_000434
MIM	171060
UniProt ID	P21439



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