

## Product datasheet for **TP762713**

### **ABCB4 (NM\_018849) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human ATP-binding cassette, sub-family B (MDR/TAP), member 4 (ABCB4), transcript variant B, 1Met-60Gly GlyGlyGlyGlySer 600Ile-700Val, with N-terminal His tag, expressed in E.coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding the region (1Met-60Gly GlyGlyGlyGlySer 600Ile-700Val) of ABCB4
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	20.7 kDa
<b>Concentration:</b>	>0.05 ug/ul as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25mM Tris, 150mM NaCl, 10% glycerol, pH8.0, 1% SKL
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for at least 1 year from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_061337</a>
<b>Locus ID:</b>	5244
<b>UniProt ID:</b>	<a href="#">P21439</a>
<b>RefSeq Size:</b>	3988
<b>Cytogenetics:</b>	7q21.12
<b>RefSeq ORF:</b>	3858
<b>Synonyms:</b>	ABC21; GBD1; ICP3; MDR2; MDR2/3; MDR3; PFIC-3; PGY3



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**Summary:**

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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

ABC transporters

**Product images:**

Coomassie blue staining of purified ABCB4 protein (Cat #TP762713). The protein was produced from E.coli.