

## Recombinant Human ABCB1 Protein, His-tagged

Cat. No. ABCB1-115H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ATP binding cassette subfamily B member 1(ABCB1), transcript variant 3(NM_000927), with a His tag, was expressed in human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	<p>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. The protein encoded by this gene is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier.</p>
<b>Form</b>	Purified protein formulated in a sterile solution of TBS buffer, pH7.222, without any preservatives.
<b>Molecular Mass</b>	141.3 kDa
<b>Endotoxin</b>	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Purity** >90% by SDS-PAGE gel and Coomassie Blue staining

**Applications** Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

## GENE INFORMATION

**Gene Name** ABCB1 ATP-binding cassette, sub-family B (MDR/TAP), member 1 [ Homo sapiens ]

**Official Symbol** ABCB1

**Synonyms** ABCB1; ATP-binding cassette, sub-family B (MDR/TAP), member 1; CLCS, colchicin sensitivity , MDR1, PGY1; multidrug resistance protein 1; ABC20; CD243; GP170; P gp; P-glycoprotein 1; colchicin sensitivity; doxorubicin resistance; CLCS; MDR1; P-GP; PGY1;

**Gene ID** 5243

**mRNA Refseq** NM\_000927

**Protein Refseq** NP\_000918

**MIM** 171050

**UniProt ID** P08183

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