

Recombinant Human ABCB1 Protein, DDK-tagged

Cat. No. ABCB1-235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ABCB1 protein, fused to DDK-tag at C-terminal, was expressed in E.coli.
Species	Human
Source	Insect Cells
ProteinLength	995-1280 aa
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. 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. [provided by RefSeq, Jul 2008].
Form	50 mM Tris.HCl, pH 8.0, 100 mM glycine, 10 % glycerol. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Molecular Mass	31.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	ATP binding cassette subfamily B member 1 [Homo sapiens]
Official Symbol	ABCB1
Synonyms	ABC20; CD243; CLCS; GP170; MDR1; P-GP; PGY1
Gene ID	5243
mRNA Refseq	NM_000927.4
Protein Refseq	NP_000918.2
MIM	171050
UniProt ID	P08183

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