

Recombinant Human ABCB5, His-tagged

Cat. No. ABCB5-9209H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ABCB5 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	583-702a.a.
Description	ABCB5 belongs to the ATP-binding cassette (ABC) transporter superfamily of integral membrane proteins. These proteins participate in ATP-dependent transmembrane transport of structurally diverse molecules ranging from small ions, sugars, and peptides to more complex organic molecules (Chen et al., 2005 [PubMed 15760339]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	ABCB5 ATP-binding cassette, sub-family B (MDR/TAP), member 5 [Homo sapiens]
Official Symbol	ABCB5

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Synonyms	ABCB5; ATP-binding cassette, sub-family B (MDR/TAP), member 5; ATP-binding cassette sub-family B member 5; ABCB5alpha; ABCB5beta; ATP binding cassette protein; EST422562; P glycoprotein ABCB5; ABCB5 P-gp; P-glycoprotein ABCB5; ATP-binding cassette protein;
Gene ID	340273
mRNA Refseq	NM_001163941
Protein Refseq	NP_001157413
MIM	611785
UniProt ID	Q2M3G0
Chromosome Location	7p14
Pathway	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; ABC-family proteins mediated transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem;
Function	ATP binding; ATPase activity; ATPase activity, coupled to transmembrane movement of substances; efflux transmembrane transporter activity; nucleotide binding;