# Recombinant Human ABCB5 protein, Trx-His-tagged

**Cat. No.** ABCB5-150H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human ABCB5 fused with Trx-His tag at N-terminal was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **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]). |
| **Form** | Lyophilized from a 0.2 μM filtered solution of PBS, pH 7.4 |
| **Molecular Mass** | 29.4kD |
| **AA Sequence** | MSDKIIHLTDDSFDTDVLKADGAILVDFWAEWCGPCKMIAPILDEIADEYQGKLTVAK LNIDQNPGTAPKYGIRGIPTLLLFKNGEVAATKVGALSKGQLKEFLDANLAGSGSGH MHHHHHHSSGLVPRGSGMKETAAAKFERQHMDSPDLGTDDDDKAMAIRSADLIVT LKDGMLAEKGAHAELMAKRGLYYSLVMSQDIKKADEQMESMTYSTERKTNSLPLHS VKSIKSDFIDKAEESTQSKEISLPEVSLL |
| **Endotoxin** | Endotoxin level is <0.1 ng/μg of protein (<1EU/μg). |
| **Purity** | >95% as determined by SDS-PAGE and Coomassie blue staining |

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| **Concentration** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## GENE INFORMATION

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| **Gene Name** | ABCB5 ATP-binding cassette, sub-family B (MDR/TAP), member 5 [ Homo sapiens ] |
| **Official Symbol** | ABCB5 |
| **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_178559 |
| **Protein Refseq** | NP_848654 |
| **MIM** | 611785 |
| **UniProt ID** | Q2M3G0 |

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