

Recombinant Human TMRSS3 Protein, His tagged

Cat. No. ABCB1-10H Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of Human ATP-binding cassette, sub-family B (MDR/TAP), member 1 (ABCB1), Gln347-Tyr710, with N-terminal His tag, expressed in E.coli.

Species Human

Source E.coli

ProteinLength 347-710 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. Mutations in this gene are associated with colchicine resistance and Inflammatory bowel disease 13. Alternative splicing and the use of alternative promoters results in multiple transcript variants.

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

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|-----------------------|--|
| Molecular Mass | 40.4 kDa |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Note | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Stability | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Storage | Store at -80 centigrade. |
| Storage Buffer | 50 mM Tris-HCl, pH 8.0, 8 M urea |
| Concentration | > 0.05 µg/µL as determined by microplate BCA method |
| Shipping | Dry Ice |

GENE INFORMATION

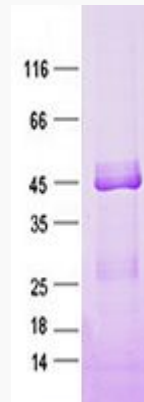
| | |
|------------------------|---|
| Gene ID | 5243 |
| Gene Name | ABCB1 ATP binding cassette subfamily B member 1 [Homo sapiens (human)] |
| Official Symbol | 5243 |
| Synonyms | ABCB1; ATP binding cassette subfamily B member 1; CLCS; MDR1; P-GP; PGY1; ABC20; CD243; ENPAT; GP170; p-170; ATP-dependent translocase ABCB1; ATP-binding cassette, sub-family B (MDR/TAP), member 1; P-glycoprotein 1; colchicin sensitivity; doxorubicin resistance; multidrug resistance protein 1; phospholipid transporter ABCB1; EC 7.6.2.1; EC 7.6.2.2 |

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| | |
|--------------------------|--|
| mRNA Refseq | NM_000927 |
| Official Symbol 2 | ABCB1 |
| Gene ID 2 | 5243 |
| Gene Name 2 | ABCB1 ATP binding cassette subfamily B member 1 [Homo sapiens (human)] |
| mRNA Refseq 2 | NM_000927 |
| Protein Refseq 2 | NP_000918 |
| MIM 2 | 171050 |
| UniProt ID 2 | P08183 |

SDS-PAGE

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