# Recombinant Human ABCC5 Protein, GST-Tagged

**Cat. No.** ABCC5-050H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human ABCC5 partial ORF ( NP_005679.2, 760 a.a. - 846 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | The protein encoded by this gene is a member of the superfamily of ATP-binding cas sette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC 1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MR P subfamily which is involved in multi-drug resistance. This protein functions in the cel lular export of its substrate, cyclic nucleotides. This export contributes to the degradati on of phosphodiesterases and possibly an elimination pathway for cyclic nucleotides. Studies show that this protein provides resistance to thiopurine anticancer drugs, 6-m ercatopurine and thioguanine, and the anti-HIV drug 9-(2-phosphonylmethoxyethyl)ad enine. This protein may be involved in resistance to thiopurines in acute lymphoblasti c leukemia and antiretroviral nucleoside analogs in HIV-infected patients. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016] |
| **Molecular Mass** | 35.31 kDa |
| **AA Sequence** | CITERGTHEELMNLNGDYATIFNNLLLGETPPVEINSKKETSGSQKKSQDKGPKTGS VKKEKAVKPEEGQLVQLEEKGQGSVPWSVY |

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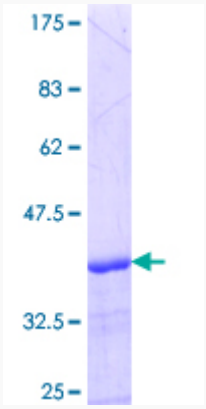
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| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | ABCC5 ATP-binding cassette, sub-family C (CFTR/MRP), member 5 [ Homo sapiens ] |
| **Official Symbol** | ABCC5 |
| **Synonyms** | ABCC5; ATP-binding cassette, sub-family C (CFTR/MRP), member 5; multidrug resistance-associated protein 5; EST277145; MOAT C; MRP5; SMRP; ATP-binding cassette sub-family C member 5; multi-specific organic anion transporter C; canalicular multispecific organic anion transporter C; ABC33; MOATC; MOAT-C; pABC11; DKFZp686C1782; |
| **Gene ID** | 10057 |
| **mRNA Refseq** | NM_001023587 |
| **Protein Refseq** | NP_001018881 |
| **MIM** | 605251 |

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| **UniProt ID** | O15440 |




12.5% SDS-PAGE Stained with Coomassie Blue.

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