

Recombinant Human ABCC5 Protein, GST-Tagged

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

SPECIFICATION

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 cassette (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 MRP subfamily which is involved in multi-drug resistance. This protein functions in the cellular export of its substrate, cyclic nucleotides. This export contributes to the degradation of phosphodiesterases and possibly an elimination pathway for cyclic nucleotides. Studies show that this protein provides resistance to thiopurine anticancer drugs, 6-mercaptopurine and thioguanine, and the anti-HIV drug 9-(2-phosphonylmethoxyethyl)adenine. This protein may be involved in resistance to thiopurines in acute lymphoblastic 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 CITERGTHEELMNLNGDYATIFNNLLLGETPPVEINSKKTSGSQKKSQDKGPKTGS
VKKEKAVKPEEGQLVQLEEKGGQGSVPWSVY

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production 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	
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

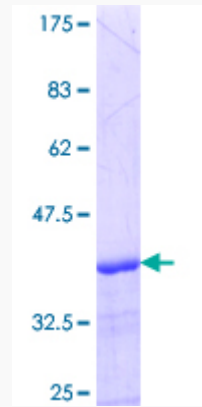
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UniProt ID

O15440



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