

Recombinant Human ABCC2, GST-tagged

Cat. No. ABCC2-9216H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ABCC2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	193-325a.a.
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 (ABC1, 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 is expressed in the canalicular (apical) part of the hepatocyte and functions in biliary transport. Substrates include anticancer drugs such as vinblastine; therefore, this protein appears to contribute to drug resistance in mammalian cells. Several different mutations in this gene have been observed in patients with Dubin-Johnson syndrome (DJS), an autosomal recessive disorder characterized by conjugated hyperbilirubinemia.
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 100mM

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GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name [ABCC2 ATP-binding cassette, sub-family C \(CFTR/MRP\), member 2 \[Homo sapiens \]](#)

Official Symbol [ABCC2](#)

Synonyms [ABCC2](#); ATP-binding cassette, sub-family C (CFTR/MRP), member 2; canalicular multispecific organic anion transporter 1 , CMOAT; canalicular multispecific organic anion transporter 1; cMRP; DJS; MRP2; canalicular multidrug resistance protein; multidrug resistance-associated protein 2; ATP-binding cassette sub-family C member 2; ABC30; CMOAT;

Gene ID [1244](#)

mRNA Refseq [NM_000392](#)

Protein Refseq [NP_000383](#)

MIM [601107](#)

UniProt ID [Q92887](#)

Chromosome Location 10q24

Pathway [ABC transporters, organism-specific biosystem](#); [ABC transporters, conserved biosystem](#); [ABC-family proteins mediated transport, organism-specific biosystem](#); [Bile secretion, organism-specific biosystem](#); [Bile secretion, conserved biosystem](#); [Codeine](#)

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and morphine metabolism, organism-specific biosystem; Irinotecan Pathway, organism-specific biosystem;

Function

ATP binding; ATPase activity; ATPase activity, coupled to transmembrane movement of substances; nucleotide binding; organic anion transmembrane transporter activity; protein binding; transporter activity;

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