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℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA