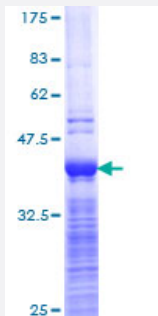


ABCC2 (Human) Recombinant Protein (Q01)

Catalog # H00001244-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ABCC2 partial ORF (NP_000383, 214 a.a. - 313 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LKGYKRPLTLEDVWEVDEEMKTKTLVSKFETHMKRELQKARRALQRRQEKSSQQNSGARLPGL NKNQSQSQDALVLEDVEKKKKKSGTKKDVPKSWLMKA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (64); Rat (62)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ABCC2

Entrez GeneID [1244](#)

GeneBank Accession# [NM_000392](#)

Protein Accession# [NP_000383](#)

Gene Name ABCC2

Gene Alias ABC30, CMOAT, DJS, KIAA1010, MRP2, cMRP

Gene Description ATP-binding cassette, sub-family C (CFTR/MRP), member 2

Omim ID [237500](#) [601107](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations OTTHUMP00000020267|canalicular multispecific organic anion transporter

Pathway

- [ABC transporters](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Arthritis](#)
- [Bile Duct Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cholangiocarcinoma](#)
- [Cholestasis](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Cystadenocarcinoma](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Epilepsies](#)
- [Epilepsy](#)
- [Esophageal Neoplasms](#)
- [Fanconi Syndrome](#)
- [Fatty Liver](#)
- [Gastroenteritis](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [Hepatitis](#)

- [HIV Infections](#)
- [HIV Seropositivity](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Leukopenia](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Peripheral Nervous System Diseases](#)
- [Pregnancy Complications](#)
- [Proteinuria](#)
- [Pruritus](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)