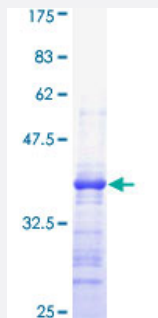


ABCC1 (Human) Recombinant Protein (Q01)

Catalog # H00004363-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ABCC1 partial ORF (NP_004987, 816 a.a. - 915 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLKNKTRILVTHSMSYLPQVDVIMMSGGKISEMGSYQELLARDGAFAEFLRTYASTEQQDAEEN GVTGVSGPGKEAKQMENGMLVTDSAGQLQRQLS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (76); Rat (76)
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 — ABCC1

Entrez GeneID	4363
GeneBank Accession#	NM_004996
Protein Accession#	NP_004987
Gene Name	ABCC1
Gene Alias	ABC29, ABCC, DKFZp686N04233, DKFZp781G125, GS-X, MRP, MRP1
Gene Description	ATP-binding cassette, sub-family C (CFTR/MRP), member 1
Omim ID	158343
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 membrane s. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a multispecific organic anion transporter, with oxidized glutathione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternative splicing by exon deletion results in several splice variants but maintains the original open reading frame in all forms. [provided by RefSeq]
Other Designations	ATP-binding cassette, sub-family C, member 1 LTC4 transporter OTTHUMP00000045904 leukotriene C(4) transporter multidrug resistance protein multiple drug resistance protein 1 multiple drug resistance-associated protein

Pathway

- [ABC transporters](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Cystadenocarcinoma](#)
- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [HIV Seropositivity](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)

- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Multiple Myeloma](#)
- [Neutropenia](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)