

## Recombinant Mouse Abcc1 protein, His & T7-tagged

Cat. No. Abcc1-1458M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Abcc1 aa. (Arg1219~Ile1469 (Accession # O35379)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Arg1219~Ile1469
<b>Description</b>	<p>The membrane-associated 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 full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. This protein plays an essential role in the defense against toxic compounds and serves as the major high-affinity transporter of leukotriene C4. The encoded protein may also play an essential role in steroid hormone homeostasis as a transporter for steroid hormones and their metabolites.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 31.7kDa.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 5.9.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Abcc1 ATP-binding cassette, sub-family C (CFTR/MRP), member 1 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Abcc1</a>
<b>Synonyms</b>	MRP; Mrp1; Mdrap; Abcc1a; Abcc1b; ATP-binding cassette, sub-family C (CFTR/MRP), member 1a; ATP-binding cassette, sub-family C (CFTR/MRP), member 1b; LTC4 transporter; leukotriene C(4) transporter; multiple drug resistance-associated protein; multidrug resistance-associated protein 1
<b>Gene ID</b>	<a href="#">17250</a>

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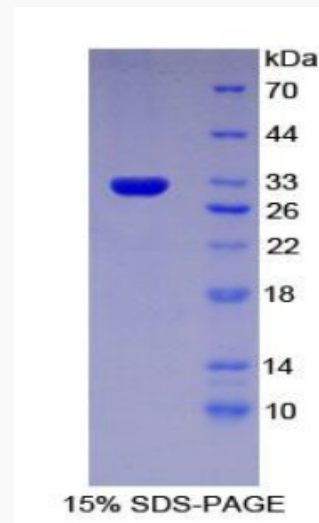
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mRNA Refseq [NM\\_008576.3](#)

Protein Refseq [NP\\_032602.1](#)

UniProt ID [O35379](#)

**SDS-PAGE**



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