

Recombinant Mouse Abcc1 protein, His & T7-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Abcc1 aa. (Arg1219~Ile1469 (Accession # O35379)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Arg1219~Ile1469
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.7kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).

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Purity	>95%
Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Abcc1 ATP-binding cassette, sub-family C (CFTR/MRP), member 1 [Mus musculus (house mouse)]
Official Symbol	Abcc1
Synonyms	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
Gene ID	17250

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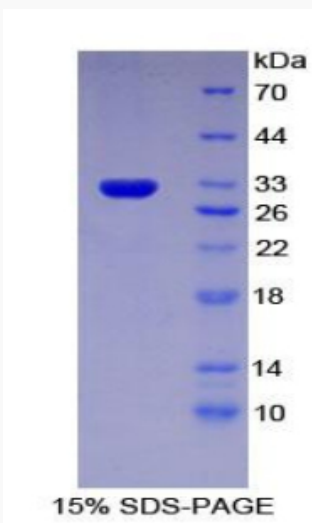
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mRNA Refseq NM_008576.3

Protein Refseq NP_032602.1

UniProt ID O35379

SDS-PAGE



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