

Recombinant Mouse Abcg2 protein, His & T7-tagged

Cat. No. Abcg2-5673M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Abcg2 aa. (Leu63~Leu349 (Accession # Q7TMS5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Leu63~Leu349
Description	The membrane-associated protein encoded by this gene is included in 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 White subfamily. Alternatively referred to as a breast cancer resistance protein, the human protein functions as a xenobiotic transporter which may play a major role in multi-drug resistance. This protein likely serves as a cellular defense mechanism in response to mitoxantrone and anthracycline exposure.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	>95%
Characteristic	The isoelectric point is 5.8.
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.
Concentration	200µg/mL
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	Abcg2 ATP-binding cassette, sub-family G (WHITE), member 2 [Mus musculus (house mouse)]
Official Symbol	Abcg2
Synonyms	Abcg2; ATP-binding cassette, sub-family G (WHITE), member 2; MXR; ABCP; BCRP; MXR1; ABC15; Bcrp1; AI428558; ATP-binding cassette sub-family G member 2; breast cancer resistance protein 1 homolog; mitoxantrone resistance protein 1; urate

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exporter

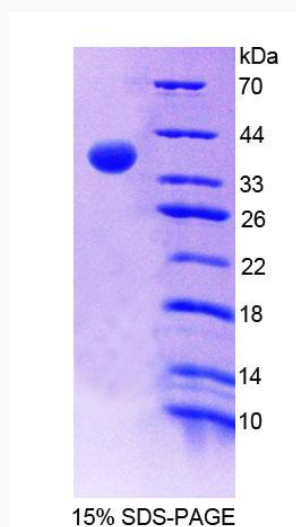
Gene ID 26357

mRNA Refseq NM_011920.3

Protein Refseq NP_036050.1

UniProt ID Q7TMS5

SDS-PAGE



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