

Recombinant Mouse Abca1, His-tagged

Cat. No. Abca1-3728M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP-binding cassette sub-family A member 1 (Abca1), partial
Species	Mouse
Source	E.Coli/Yeast
ProteinLength	2261
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 intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ABC1 subfamily. Members of the ABC1 subfamily comprise the only major ABC subfamily found exclusively in multicellular eukaryotes. In humans, this protein functions as a cholesterol efflux pump in the cellular lipid removal pathway. Mutations in the human gene have been associated with Tangier's disease and familial high-density lipoprotein deficiency.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of Abca1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly

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centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Storage Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

Storage Buffer PBS pH 7.4, 50% glycerol

Warning This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [Abca1 ATP-binding cassette, sub-family A \(ABC1\), member 1 \[Mus musculus \]](#)

Official Symbol Abca1

Synonyms ABCA1; ATP-binding cassette, sub-family A (ABC1), member 1; ATP-binding cassette sub-family A member 1; ATP-binding cassette 1; ATP-binding cassette transporter 1; Abc1; ABC-1;

Gene ID [11303](#)

mRNA Refseq [NM_013454](#)

Protein Refseq [NP_038482](#)

Chromosome Location Chromosome: 4; NC_000070.6 (53030789..53159988, complement)

Pathway ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion

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and absorption, conserved biosystem; HDL-mediated lipid transport, organism-specific biosystem;

Function

ATP binding; ATPase activity; ATPase activity, coupled to transmembrane movement of substances; anion transmembrane transporter activity; apolipoprotein A-I binding; apolipoprotein A-I receptor activity; apolipoprotein binding; cholesterol transporter activity; cholesterol transporter activity; cholesterol transporter activity; nucleoside-triphosphatase activity; nucleotide binding; phospholipid transporter activity; phospholipid transporter activity; phospholipid transporter activity; protein binding; small GTPase binding; syntaxin binding;

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