Recombinant Mouse Abcd1, His-tagged

Cat. No. Abcd1-3736M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP-binding cassette sub-family D member 1 (Abcd1)
Species	Mouse
Source	E.Coli/Yeast
ProteinLength	736
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 protein is a member of the ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters which require a partner half transporter molecule to form a functional homodimeric or heterodimeric transporter. This peroxisomal membrane protein is likely involved in the peroxisomal transport or catabolism of very long chain fatty acids. Defects in the human gene have been identified as the underlying cause of adrenoleukodystrophy, an X-chromosome recessively inherited demyelinating disorder of the nervous system.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%

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Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Small volumes of Abcd1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly 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	Abcd1 ATP-binding cassette, sub-family D (ALD), member 1 [Mus musculus]
Official Symbol	Abcd1
Synonyms	ABCD1; ATP-binding cassette, sub-family D (ALD), member 1; ATP-binding cassette sub-family D member 1; adrenoleukodystrophy protein; ATP-binding cassette, sub-family D, member 1; X-linked adrenoleukodystrophy (ALD) gene homolog; Ald; ALDP; Aldgh;
Gene ID	11666
mRNA Refseq	NM_007435
Protein Refseq	NP_031461
Chromosome Location	X B; X 37.39 cM

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Pathway	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; ABC-family proteins mediated transport, organism-specific biosystem; ABCA transporters in lipid homeostasis, organism-specific biosystem; Beta-oxidation of very long cha
Function	ATP binding; ATPase activity; identical protein binding; nucleoside-triphosphatase activity; nucleotide binding; protein binding;

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