Recombinant Mouse Abcd4, His-tagged

Cat. No. Abcd4-3738M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP-binding cassette sub-family D member 4 (Abcd4)
Species	Mouse
Source	E.Coli/Yeast
ProteinLength	606
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. The function of this peroxisomal membrane protein is unknown. However, it is speculated that the human protein may function as a heterodimer for another peroxisomal ABC transporter and, therefore, may modify the adrenoleukodystrophy phenotype. It may also play a role in the process of peroxisome biogenesis.
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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45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Small volumes of Abcd4 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	Abcd4
Official Symbol	Abcd4
Synonyms	Abcd4; Pxmp1l ; Abcd4; Abcd4; P69r; P70R...
Gene ID	19300
mRNA Refseq	NM_008992.2
Protein Refseq	NP_033018.2
UniProt ID	O89016
Chromosome Location	Chromosome: 12; NC_000078.6 (84602531..84617466, complement). Location: 12 D1; 12 39.3 cM

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Function	modify the adrenoleukodystrophy phenotype. It may also play a role in the process of peroxisome biogenesis

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