

Recombinant Human ABCD1 Protein, GST-Tagged

Cat. No. ABCD1-054H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ABCD1 partial ORF (AAH15541, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The 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 this gene have been identified as the underlying cause of adrenoleukodystrophy, an X-chromosome recessively inherited demyelinating disorder of the nervous system. [provided by RefSeq, Jul 2008]
Molecular Mass	36.74 kDa
AA Sequence	MPVLSRPRPWGNTLKR TAVLLALAA YGAHKVYPLVRQCLAPARG LQAPAGEPTQE ASGVAAAKAGMNRVFLQRL LWLLRLLFPRVLCRETGLLALHSAA

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

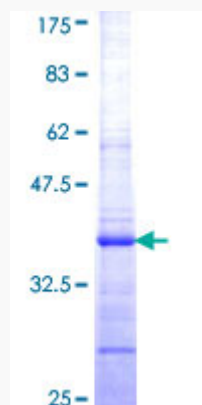
GENE INFORMATION

Gene Name	ABCD1 ATP-binding cassette, sub-family D (ALD), member 1 [Homo sapiens]
Official Symbol	ABCD1
Synonyms	ABCD1; ATP-binding cassette, sub-family D (ALD), member 1; ALD; ATP-binding cassette sub-family D member 1; adrenoleukodystrophy; ALDP; AMN; adrenoleukodystrophy protein; ABC42;
Gene ID	215
mRNA Refseq	NM_000033
Protein Refseq	NP_000024
MIM	300371
UniProt ID	P33897

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12.5% SDS-PAGE Stained with Coomassie Blue.

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