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Product datasheet for TP510364

Abcd1 (NM_007435) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ATP-binding cassette, sub-family D (ALD), member 1 (Abcd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210364 protein sequence Red=Cloning site Green=Tags(s) MPVLSTPRPSRVTTLKRTAVVLALTAYGVHKIYPLVRQCLTPARGPQVPAGEPTQEASGATATKAGMNRV FLQRLLALLRLLFPRVLCRETGLLALHSAALVSRTFLSVYVARLDGRLARCIVRKDPRAFSWQLLQWLLI ALPATFINSAIRYLEGQLALSFRSRLVAHAYGLYFSQQTYYRVSNMDGRLRNPDQSLTEDVVAFAASVAH LYSNLTKPLLDVAVTSYTLLRAARSRGAGTAWPSAIAGLVVFLTANVLRAFSPKFGELVAEEARRKGELR YMHSRVVANSEEIAFYGGHEVELALLQHSYQDLASQINLILLERLWYVMLEQFLMKYVWSASGLLMVAVP IITATGYAESDSEAMKKAALEMKEEELVSERTEAFTIARNLLTAAADATERIMSSYKEVTELAGYTARVY EMFQVFEDVKHCRFKRTGDLEEAQAGPGVMVQSGVHVEGPLKIQGQVVDVEQGIICENIPIITPTGEVVV ASLNIRVEEGMHLLITGPNGCGKSSLFRILGGLWPTYSGVLYKPPPQRMFYIPQRPYMSVGSLRDQVIYP DSAEDMRRKGCSEQQLEAILGIVHLRHILQREGGWEAVCDWKDVLSGGEKQRIGMARMFYHRPKYALLDE CTSAVSIDVEGKIFQAAKDAGIALLSITHRPSLWKYHTHLLQFDGEGGWKFEKLDSAARLSLTEEKQRLE QQLAGIPKMQGRLQELRQILGEAAAPVQPLVPGVPT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	82.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.

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Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP_031461

Locus ID: 11666

UniProt ID: P48410

RefSeq Size: 3421

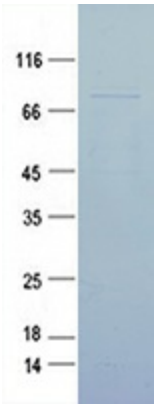
Cytogenetics: X 37.39 cM

RefSeq ORF: 2211

Synonyms: A; Ald; Aldgh; ALDP

Summary: 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. [provided by RefSeq, Jul 2008]

Product images:



Purified recombinant protein Abcd1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.