

Product datasheet for **TP508310**

Abcd4 (BC050102) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ATP-binding cassette, sub-family D (ALD), member 4 (cDNA clone MGC:60642 IMAGE:30012556), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208310 protein sequence Red =Cloning site Green =Tags(s)
	<p>MTLLCVTLLEQLVIYQVGLIPSQYYGVLGNKDLDFGKALLAVTLIVLNSTLKSFDQFTCNLLYVSWRK DLTEHLHHLYFRARVYYTLNVLRDDIDNPDQRISQDVERFCRQLSSVTSKLIISPFTLYTYQCFQSTG WLGPVSIIFYFTVGTMVNKTLMGPVTKLVQEQEKLEGDFRFKHMQIRVNAEPAAFYRAGLVEHMRTDRRL QRLQTRQLMSRELWLYIGINTFDYLGSIYSYVIAIPIFSGVYGDLSPTLSTLVSKNAFVCIYLISC FTQLIDLSTLSDVAGYTHRIGELQEALLDMSRKSQDCEALGESEWDLDKTPGCPTEPSDTAFLDRVS ILAPSSDKPLIKDLSLKICEGQSLITGNTGTGKTSLLRVLGGLWEGMKGSVQMLADFGPHGVFLFPQKP FFDTGTLREQVIYPLKEIYPDSGSADDERIVRFEELAGLSSLVARTGGLDQQVDWNWYDVLSPGEMQRLS FARLFYLQPKYAVSLLGSETPRRRKLGAD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	58.6 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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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Locus ID: 19300
UniProt ID: [O89016](#)
RefSeq Size: 2410
Cytogenetics: 12 39.3 cM
RefSeq ORF: 1557
Synonyms: P69r, P70R

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. 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. [provided by RefSeq, Jul 2008]