

Synonyms: ABC41; EST352188; MAHCJ; P70R; P79R; PMP69; PXMP1L

Locus ID: 5826

UniProt ID: [O14678](#), [A0A024R6B9](#)

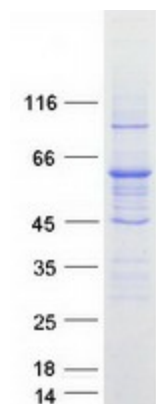
Cytogenetics: 14q24.3

Summary: 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. The function of this peroxisomal membrane protein is unknown. However, it is speculated that it 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. Alternative splicing results in several protein-coding and non-protein-coding variants. [provided by RefSeq, Jul 2017]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

Product images:



Coomassie blue staining of purified ABCD4 protein (Cat# [TP301291]). The protein was produced from HEK293T cells transfected with ABCD4 cDNA clone (Cat# [RC201291]) using MegaTran 2.0 (Cat# [TT210002]).