

Recombinant Human ABCD4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ABCD4-1698H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ABCD4 MS Standard C13 and N15-labeled recombinant protein (NP_005041) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. 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.
Molecular Mass	68.6 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence

MAVAGPAPGAGARPRDLQFLQRFLQILKVLFPSSQNALMFLTLLCLTLLEQFVIY
QVGLIPSQYYGVLGNKDLEGFKLTFLAVMLIVLNSTLKSFDQFTCNLLYVSWRKDLT
EHLHRLYFRGRAYTTLNVLRDDIDNPDQRISQDVERFCRQLSSMASKLIISPFTLVYY
TYQCFQSTGWLGPVSIFGYFILGTVVNKTLMGPIVMKLVHQEKELEGDFRFBKHMQIRV
NAEPAAFYRAGHVEHMRDRLQRLQTQRELMSKELWLYIGINTFDYLGSIYSYVVI
AIPFSGVYGDLSPTLSTLVSKNAFVCIYLISCFTQLIDLSTLSDVAGYTHRIGQLRE
TLLDMSLKSQDCEILGESKWGLDTPPGWPAAEPADTAFLERVSISAPSSDKPLIKDL
SLKISEGQSLITGNTGTGKTSLLRVLGGLWTSTRGSVQMLTDFGPHGVFLFPQKPF
FTDGTLRQVIYPLKEVYPDSGSADDERILRFLELAGLSNLVARTEGLDQQVDWNW
YDVLSPGEMQRLSFARLFYLPKYAVLDEATSALTEEVESELYRIGQQQLGMTFISVG
HRQSLEKFHSLVLKLCGGGRWELMRIKVETRTRPLEQKLISEEDLAANDILDYKDDD
DKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Stability

Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage

Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration

50 µg/mL as determined by BCA

Storage Buffer

100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION
Gene Name

ABCD4 ATP binding cassette subfamily D member 4 [Homo sapiens (human)]

Official Symbol

ABCD4

Synonyms

ABCD4; ATP binding cassette subfamily D member 4; P70R; P79R; ABC41; MAHCJ;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PMP69; PXMP1L; EST352188; lysosomal cobalamin transporter ABCD4; 69 kDa peroxisomal ABC-transporter; ATP-binding cassette sub-family D member 4; ATP-binding cassette, sub-family D (ALD), member 4; PMP70-related protein; PXMP1-L; peroxisomal membrane protein 69

Gene ID 5826

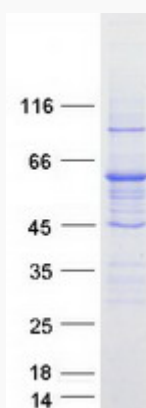
mRNA Refseq NM_005050

Protein Refseq NP_005041

MIM 603214

UniProt ID O14678

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA