Recombinant Human ABCD4 Protein, C-Myc/DDK-Tagged

Cat. No. ABCD4-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ABCD4 Protein, C-Myc/DDK-Tagged was expressed in HEK293T cell.
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	68.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.
Storage	Store at -80°C.
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Cytogenetics	14q24.3
Refseq Size	3157
Refseq ORF	1818
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

GENE INFORMATION

Gene Name	ABCD4 ATP binding cassette subfamily D member 4 [Homo sapiens (human)]
Official Symbol	ABCD4
Synonyms	ABC41; EST352188; MAHCJ; P70R; P79R; PMP69; PXMP1L
Gene ID	5826
mRNA Refseq	NM_005050.4
Protein Refseq	NP_005041.1

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MIM	603214
UniProt ID	O14678

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