Recombinant Full Length Human ABCD3 Protein, GST-tagged

Cat. No. ABCD3-772HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ABCD3 full-length ORF (AAH09712, 1 a.a. - 236 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	236 amino acids
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. This peroxisomal membrane protein likely plays an important role in peroxisome biogenesis. Mutations have been associated with some forms of Zellweger syndrome, a heterogeneous group of peroxisome assembly disorders. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
Molecular Mass	51.7 kDa
AA Sequence	MAAFSKYLTA RNSSLAGAAF LLLCLLHKRR RALGLHGKKS GKPPLQNNEK

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	EGKKERAVVD KVFFSRLIQI LKIMVPRTFC KETGYLVLIA VMLVSRTYCD VWMIQNGTLI ESGIIGRSRK DFKRYLLNFI AAMPLISLVN NFLKYGLNEL KLCFRVRLTK YLYEEYLQAF TYYKMGNLDN RIANPDQLLT QDVEKFCNSV VDLYSNLSKP FLDIVLYIFK LTSAIGAQVL GKILWH
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ABCD3 ATP-binding cassette, sub-family D (ALD), member 3 [Homo sapiens]
Official Symbol	ABCD3
Synonyms	ABCD3; ATP-binding cassette, sub-family D (ALD), member 3; PXMP1; ATP-binding cassette sub-family D member 3; PMP70; ZWS2; 70 kDa peroxisomal membrane protein; Peroxisomal membrane protein-1 (70kD); peroxisomal membrane protein 1 (70kD, Zellweger syndrome); dJ824O18.1 (ATP-binding cassette, sub-family D (ALD), member 3 (PMP70, PXMP1)); ABC43
Gene ID	5825
mRNA Refseq	NM_001122674
Protein Refseq	NP_001116146

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MIM	170995
UniProt ID	P28288

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