

## Product datasheet for **SC318802**

### **PMP70 (ABCD3) (NM\_001122674) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PMP70 (ABCD3) (NM_001122674) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABCD3
Synonyms:	ABC43; CBAS5; PMP70; PXMP1; ZWS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318802 representing NM_001122674. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCCTTCAGCAAGTACTTGACGGCGGAACTCCTCGCTGGCTGGTGCCGCTTCCTGCTGCTC
TGCCTGCTCCACAAGCGGCGCCGCGCCCTCGGCTGCACGGTAAGAAAAGTGAAAACCACCATTACAG
AACAAATGAGAAAGAGGGGAAAAAGGAGCGAGCTGTGGTGGACAAGGTGTTTTCTCAAGGCTCATAACAG
ATTCTGAAAATCATGGTCCCTAGAACATTTTGTAAAGAGACAGGTTACTTGGTACTTATTGCTGTTATG
CTGGTGTCTCGAACATATTGTGATGTTTGGATGATTCAAATGGGACACTAATTGAAAGTGGTATCATT
GGTCGTAGCAGGAAAGATTTCAAGAGATACTTACTCAACTTCATCGCTGCCATGCCTCTTATCTCTCTG
GTTAATAACTTCTTGAAGTATGGTTAAATGAGCTTAAACTGTGCTTCCGAGTAAGGCTCACTAAATAC
CTCTATGAGGAGTATCTTCAAGCTTTCACATATTATAAAATGGGGAATCTGGACAACAGAATAGCTAAT
CCAGACCAGCTGCTTACACAAGATGTAGAAAAATTTTGTAAACAGTGTAGTCGATCTGTATTCAAATCTT
AGTAAGCCATTTTGTAGACATAGTTTTGTATATCTTTAAGTTAACGAGTGAATTGGAGCTCAGGTA
GGAAAAATTTTGTGGCATTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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RefSeq Size:	967 bp
RefSeq ORF:	711 bp
Locus ID:	5825
UniProt ID:	<a href="#">P28288</a>
Cytogenetics:	1p21.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
MW:	27.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) has multiple differences in the 3' coding region and 3' UTR and contains an alternate exon in the central coding region, compared to variant 1, that results in a protein (isoform b) with a shorter, distinct C-terminus when compared to isoform a.</p>