

Product datasheet for **RC225294**

PMP70 (ABCD3) (NM_001122674) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PMP70 (ABCD3) (NM_001122674) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PMP70
Synonyms:	ABC43; CBAS5; PMP70; PXMP1; ZWS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225294 representing NM_001122674 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGGCCTTCAGCAAGTACTTGACGGCGCGAACTCCTCGCTGGCTGGTGCCGCTTCTGCTGCTCT
GCCTGCTCCACAAGCGGCGCCGCCCTCGGCCTGCACGGTAAGAAAAGTGAAAACCACCATTACAGAA
CAATGAGAAAGAGGGGAAAAGGAGCGAGCTGTGGTGACAAGGTGTTTTCTCAAGGCTCATACAGATT
CTGAAAATCATGGTCCCTAGAACATTTTGTAAAGAGACAGTTACTTGGTACTTATTGCTGTTATGCTGG
TGTCTCGAACATATTGTGATGTTTGGATGATTCAAAATGGGACACTAATTGAAAGTGGTATCATTGGTCCG
TAGCAGGAAAGATTTCAAGAGATACTTACTCAACTTCATCGCTGCCATGCCTTTATCTCTCTGGTTAAT
AACTTCTTGAAGTATGGGTTAAATGAGCTTAAACTGTGCTTCCGAGTAAGGCTCACTAAATACCTCTATG
AGGAGTATCTTCAAGCTTTCACATATTATAAAATGGGGAATCTGGACAACAGAATAGCTAATCCAGACCA
GCTGCTTACACAAGATGTAGAAAATTTTGAACAGTGTAGTCGATCTGTATTCAAATCTTAGTAAGCCA
TTTTTAGACATAGTTTTGTATATCTTTAAGTTAACGAGTGCAATTGGAGCTCAGTACTTGGAAAAATTT
TGTGGCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001122674.2](#)

RefSeq ORF: 711 bp

Locus ID: 5825

UniProt ID: [P28288](#)

Cytogenetics: 1p21.3

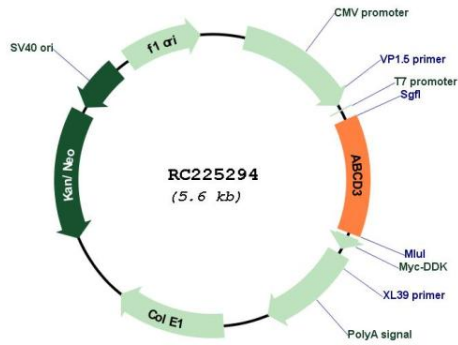
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

MW: 26.9 kDa

Gene 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. 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]

Product images:



Circular map for RC225294