

Product datasheet for **SC215138**

PMP70 (ABCD3) (NM_002858) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PMP70 (ABCD3) (NM_002858) Human 3' UTR Clone
Symbol:	PMP70
Synonyms:	ABC43; CBAS5; PMP70; PXMP1; ZWS2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002858
Insert Size:	1564 bp



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Insert Sequence: >SC215138 3'UTR clone of NM_002858
The sequence shown below is from the reference sequence of NM_002858. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACAGAAGATACAGTTGAGTTTGGCTCTAGAGAAATCTGGAGAATAACCTGCTTCAGTGAATAAATT
ACAGAATATACTTAGAAAAGGCAAAGTACATTGTAATAAAGTTGAGCTTAGTTTTTTTTAAAAA
AACAAAGCAACAAATTAAGTACAGATAAATGGAGAACAAGTTGTTAAAACATTTAATATTATATA
GGATATTGCTAATTGTGTATATGTTGGTTAATAATAATGTACTAAGAATGCCTTATTCTTGTGG
TAAAAACCTGCCTAAATTAATTTGGGCTTCAATCACTGTAACCTGATTCATCCTGGGATGTAAACCAT
TCGAAGTCAGCTAATTGGACTTTTATGGCTCTATCTTTCCCTCAGTGAAGAACCCTATTTAAACTGG
GTCATCATTTGCTGTCTAGCAAGATAGTCTTCAGTTTCATTTTCTGTGCCCTGTGGTAGTTGGAA
ACAAATCATAATGTATTATTTAAATGTTAACATCATTGCATAACAGCGTTTATTATACAGTGGCAGAT
TTCTTTAGCTGCCACAGTAATACTCATTCTTGTGTGTCTTGGAGTGCATTTGACTCCAGGAAAAGC
CATTTTGGTTTTCTTAACTAAATGATAAATGTACCCCTCTCAGTCTGCAGTATTGAGTTGTTAAAGT
ATATGTGCAGTCTTGCTTACAAGGAGGGTTACCATGTATCACACCTAATCTTCCAATGTTTGGGATA
TAAAAACAAAGTCTTAAACATGCCAGGCTCAAGGTCTTATAAGAGTTCTAGATTTTTAAGAGAATTA
GACAAATTTGTGTGTGTTAGAAGCCATTCATTAGAAGTGTGGTGGTTATTTGGTATTAACCTCAAAT
GAGCCATAGGAAGGCACTACATGAAATAATGCACTGAGTATGCAATGCTATCACTGTCTTTGACTGTGA
TTTTATGTTAAAAAGTATGTTCTAAAATTTATATATACATGGGTGAATTATGTTCCGAGGCACTG
TTTATCTCTGTGAATCTTGAATAACTTTTTTATTTGGTTATGATGTCAAACGATCCTAAGCGAAG
ATGATTTTCAGTTCAATCAATCATCATTAAATGACTTTTATGATTATTTGCACAGGGAGAATTGAAACTGA
GTATAATCAATAAGCTAGATACGAAATCAGTTTCTCAAACGAGCTTCAGAAAAGGGGCATTTTGTACTC
TTGTTTTTGCATAACTGGTTTTGTTTTTGCAGAATTAACATAACAATCACTGGCTACCGAAGTAAA
CTGATGTACTGAATTCATAATACATAACATTTTACCCTTCTGTTTAGCGAAGTGTACT
TATTTTCTGTTCCAGATTAATAAAAAAAAAAAAAAAAACTCAGATATCCTATACAACCTTTGCTTGTCTTT
TTATTCTGGTATCTAAATACTGAGAAGTTCATTTATAATTCAGCCTTGACTTGAAAACATAGATAGTTT
AATCTTGACTTGAAAAACAAAAATAAATTCAGAAAATGCTTTTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002858.4](#)

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]

Locus ID:

5825

MW:

61.5