

## Product datasheet for **RN213452**

### **Abcd3 (NM\_012804) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Abcd3 (NM_012804) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcd3
Synonyms:	PMP70; Pxmp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213452 representing NM\_012804  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCCCTTCAGCAAGTACTTGACGGCGCGGAACCTCGCTGGCGGGGGCCGCTTCTGCTGTTCT  
 GCCTGCTCCACAAGCGGGTTCGCGCCCTCGGCCTGCACGGTAAGAAAAGTGGAAAACCGCCATTACAGAA  
 TAATGAGAAAAGAAAGAAAAGAGCGAGCTGTGGTGGACAAAGTGTTCATCAAGGCTCTCACAGATC  
 CTAATAATATGGTCCCTAGAACATTTTGTAAAGAGACAGGGTACTTGATACTTATTGCTGTTATGCTGG  
 TATCTCGAACATACTGTGATGTTGGATGATTCAAATGGCACACTGATTGAAAGTGGCATCATTGGTGC  
 TAGCAGTAAAGATTTCAAGAGATACTTATTCAACTTCATCGTGCATGCCTCTTATCTCTCTGTTAAT  
 AACTTCTGAAGTATGGGTTAAATGAGCTCAAAGTGTCTCCGTGTGGCTCACTAGATACCTCTATG  
 AGGAGTATCTCCAAGCCTCACCTACTATAAAATGGGCAACCTGGATAACAGAATAGCAAACCCAGACCA  
 GCTGCTTACACAAGATGTAGAAAAGTTTGTAAACAGTGTAGTTGATCTTTATTGCAATCTTAGTAAGCCA  
 TTTTAGACATAGTTTGTATATTTTCAAGTTAAACAAGTGAATTTGGAGCTCAGGGCCCGCAAGCATGA  
 TGGCCTACTTGCTGTTTCTGGGCTATTCTAACTCGACTCAGAAGACCCATCGGTAATAATGACGATTAT  
 GGAGCAGAAGTATGAAGGAGAATATAGATTCGTTAATTCACGGCTTATCACTAATAGTGAAGAAATTGCC  
 TTTTACAATGGGAATAACGAGAAAAGCAGACAATCCACTCTGTCTTCCGAAAACCTGGTGGAACACCTAC  
 ATAATTTCAATTTCTTCCGGTTTCTATGGGTTTCATTGATAGCATCATTGCCAAATATATTGCCACTGT  
 AGTTGGGTACCTGGTGTGAGTCCCGCTTCTAGACCTGGCGCATCCCGCACACCTTACAGCACCCAC  
 TCAGAGCTGCTGGAGGATTACTACAAAGTGAAGAATGCTTTTGAGAATGTCTCAAGCTTTGGGGCGGA  
 TAGTTTTGGCTGGCGTGAAATGACTAGATTGGCTGGTTTTACGGCTCGGATTACGAATTAATGCAAGT  
 ACTAAAGGATTTAAATCATGGCAAATATGAACGTACAATGGTGTCAACACAGGATAAGGGTATTGAAGGA  
 GCACAAGCTAGTCCCTTGATACCTGGTGTGGAGAAATCATCAATGCAGACAACATTATAAAGTTTGATC  
 ATGTTCTTTAGCAACACCAAAATGGAGATATCTTGATCCAAGACCTTAGTTTTGAAGTTCGATCTGGGGC  
 CAACGTTCTCATTGTGGTCCAATGGCTGTGGAAAGAGCTCCCTCTCCGTGTTCTTGGTGAATTATGG  
 CCTCTCTTTGGAGGACATCTTAAACCTGAGAGAGGAAAGTTATTTTATGTTCTCAGCGACCCTATA  
 TGACCCTGGGAACACTGAGAGACCAAGTAAATATCCAGATGGAAAGGAGGATCAGAAGAAGAAGGGGAT  
 ATCTGACCAAGTGTGAAGGGTACTTGGACAATGTACAGTTGGGCCATATCCTTGAGCGGGAAGGAGGC  
 TGGGACAGTGTTCAGGACTGGATGGATGTACTCAGCGGAGGAGAAAACAAGAATGGCGATGGCAAGAT  
 TGTTTTATCATAAACCCAGTTTGCCATTCTGGATGAGTGACAAGTGCAGTTAGTGTGGATGTGGAAGA  
 CTACATTTACAGCCACTGTCGGAAGTTGGCATCACCTCTTCACTGTCTCACACAGGAAATCCCTTTGG  
 AAACACCACGAGTACTACCTGCACATGGATGGCAGAGGCAATTATGAATTCAAAAAGATCACAGAAGACA  
 CAGTTGAGTTCGGATCA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_012804
- Insert Size:** 1980 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**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\\_012804.1](#), [NP\\_036936.1](#)

**RefSeq Size:** 3324 bp

**RefSeq ORF:** 1980 bp

**Locus ID:** 25270

**UniProt ID:** [P16970](#)

**Cytogenetics:** 2q41

**Gene Summary:** may form an ATP binding channel; may play a role in active transport in peroxisomes [RGD, Feb 2006]