

Product datasheet for **RN201836**

Abcb9 (NM_022238) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcb9 (NM_022238) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcb9
Synonyms:	Tapl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201836 representing NM_022238
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGCTGTGGAAGCGGTAGTGGTGACGCTGGCCTTCGTGAGCATGGACGTCGGCGTGACCACGGCCA
 TCTATGCCTTCAGCCACCTGGATCGCAGCCTGCTGGAGGACATCCGACACTTTAACATCTTCGACTCGGT
 GCTGGACCTCTGGGCTGCCTGCCTGTACCGCAGCTGCCTGCTGCTGGGGCTACCATCGGTGTGGCCAAG
 AACAGCGCTCTGGGGCCACGGCGCTGCGGGCCTCGTGGCTCGTCATCACCTCGTGTGCCTCTTTGTGG
 GCATCTATGCCATGGCCAACTGCTACTTCTCAGAGGTGCGCAGGCCATCCGGGACCATGGTTCTG
 GGCCTCTTCGTATGGACCTACATCTCGCTGGCTGCCTCCTTCTGCTGTGGGGCTGCTGGCCACCGTG
 CGGCCGAGCGGAGGCCCTGGAGCCGGGAACGAGGGCTCCACGGTGAGGGTGGGGCCCTGCTGAGC
 AGGCATCAGGGGCCACGCTGCAGAAGCTGCTGTCTACACAAAGCCTGATGTGCCCTTCTAGTAGCTGC
 CTCTTTCTTCTCATCGTAGCGCTCTGGGAGAGACCTTCTGCCCTACTACACTGGCCGGGCCATCGAC
 AGCATCGTCATCCAGAAAAGCATGGACCAGTTCACCACGGCCGTGTCGTGCTGCTGCCTGCTGGCCATCG
 GCAGCTCATTGGCCGAGGTATTCGGGGCGGCATTTTCACCTCGTATTTGCCAGACTGAACATTCGCCCT
 TCGCAACTGTCTTCCGCTCCCTGGTGTACAGGAGACGAGCTTCTTTGACGAGAATCGCACAGGGGAC
 CTCATCTCCCGCTCACCTCTGACACCACCATGGTCAGCGACCTGGTCTCCAGAACATCAACATCTTCC
 TGAGGAACACGGTCAAGGTACGGGGCGTGGTGGTCTTCATGTTACGCCTCTCCTGGCAGCTCTCCCTGGT
 CACCTTCATGGGCTTCCCATCATGATGGTGTCCAACATCTACGGCAAGTACTACAAGAGGCTCTCC
 AAGGAGTCCAGAGTGCCTGGCCAGAGCCAGCACAGCCGAGGAGACCATCAGCGCCATGAAGACGG
 TCCGCAGCTTTGCCAATGAGGAAGAGGAGGCAGAGGTGTTCTCGGGAAGCTTCAGCAGGTACAAGCT
 GAACAGGAAGGAGGCCGACCTACATGTCTAGCTCTGGGGCAGTGGGCTCACACTCCTGGTGGTCCAG
 GTCAGTATCCTCTACTACGGGGCCACCTCGTCATCTCGGGCAGATGAGCAGCGCAACCTCATCGCT
 TCATCATCTATGAGTTTGTCTGGGAGACTGCATGGAGTCCGTGGGCTCCGTCTATAGCGCCTGATGCA
 GGGAGTGGGGCTGCTGAGAAGGTGTTGAGTTTATTGACCGGCAGCCAACCATGGTGCATGACGGAAGA
 TTGGCCCTGACCATCTCGAGGGCAGGGTGGACTTTGAGAATGTAACCTTACCTACCGCACTCGGCCCC
 ACACACAGGTCTACAGAATGTCTCTTACGCCTGTCCCAGGCAAGGTGACGGCTCTGGTGGGGCCCTC
 GGGCAGCGAAAGAGCTCTGTGAACATCCTGGAGAATTCTACCCTTGCAGGGCGGCCGGGTGTTG
 TTGGACGGCAGCCCATCGCGCCTATGACCACAAGTACCTGCACCGGTGATCTACTGGTAAGCCAGG
 AGCCTGTGCTGTTGCGCCGCTCCATCACAGACAACATCTCTACGGCCTGCCTACCGTGCCTTCGAGAT
 GGTGGTGGAGGCTGCACAGAAGGCAATGCTCACGGCTTCATCATGGAGCTGCAGGACGGATACAGCACA
 GAGACCGGGAAAAGGGAGCCAGCTGTGAGGTGGCCAGAAGCAGCGGGTGGCCATGGCAGTGCCTAG
 TGCGGAACCTCTGTGCTCATCTGGACGAAGCCACAGTGCCTGGACGCAGAGAGTGAATACCTGAT
 TCAGCAGGCCATCCAGGCAACCTGCAGAGACACACGGTGTGATCATCGCACACCGGCTGAGTACTGTA
 GAGCGGGCGCACCTCATCGTGGTGTAGACAAGGGCCGTGGTACAGCAGGGTACACACCAGCAGCTGT
 TGGCACAGGGCGGCTCTATGCCAAGCTGGTGCAGCGTCAGATGCTGGGGCTCGAGCACCCCTTGGACTA
 CACGGCTGGCCACAAGGAGCCACCCAGCAACACTGAACACAAGGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022238
Insert Size: 2289 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:	<ol style="list-style-type: none">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_022238.1 , NP_071574.1
RefSeq Size:	3303 bp
RefSeq ORF:	2289 bp
Locus ID:	63886
UniProt ID:	Q9QYJ4
Cytogenetics:	12q15
Gene Summary:	ATP-dependent low-affinity peptide transporter which translocates a broad spectrum of peptides from the cytosol to the lysosomal lumen. Displays a broad peptide length specificity from 6-mer up to at least 59-mer peptides with an optimum of 23-mers. Favors positively charged, aromatic or hydrophobic residues in the N- and C-terminal positions whereas negatively charged residues as well as asparagine and methionine are not favored (By similarity).[UniProtKB/Swiss-Prot Function]