

Product datasheet for **RN211165**

Abcb7 (NM_212518) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcb7 (NM_212518) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abcb7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211165 representing NM_212518
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCTGCTCGCGATACATTCTTGGCGCTGGGCAGCCGCGCGGTTCGTTTCGAAAAGCACAAAGCATT
 CGGCAGTTCTGACCCGGTCTCTAGTCTCCATCTGCGGCTCAGGCCTGCGGTGGAGTTCGTACCAGAGCGG
 CGCGTCAGGAAGCGCTCGGCTGTCCAGACTACAGAATCATTAAAGAAATCTACACAGCAGAGATGGGAA
 AAAAACAACTCAAGACAGTTACTAGATGCTTCAAAGGTTCTTCAGGCATGGCCATTGATAGAAAAGAGAA
 CATGTTGGCATGGGCACGCAGGAGGAGGACTCCACACAGACCCAAAAGAAGGGTTAAAGGATGTTGATAC
 TAGAAAAATCATTAAAGCCATGCTTTCTATGTGTGGCCAAAGACAGGCCTGATCTGCGAGCCAGAGTT
 GCCATTTCCCTGGGATTTCTGGGTGGTCAAAGGCCATGAATATTGTGGTTCCTTTCATGTTAAATATG
 CTGTAGACAGCCTCAACCAGATGTGGGAAACATGCTGAACCTGAGTGATGCACCAAATACAGTTGCAAC
 CATGGCAACAGCAGTTCTGATTGGCTATGGTGTATCAAGAGCCGGGGCTGCCTTTTTCAATGAAGTCCGA
 AATGCAGTATTTGGCAAAGTAGCACAAAATTCATCCGAAGAATAGCCAAAATGTATTTCTCCATCTTC
 ACAACTTGGATCTGGGTTTCCATCTGAGCAGACAGACAGGAGCCTTATCTAAGGCTATTGACAGAGGGAC
 AAGGGCATTAGTTTTGTCTCAGTGCTTTAGTATTTAATCTTCTCCCTATTGTGTTTGAGATGACGCTT
 GTCAGTAGTGTTTTGATTACAAATGTGGGGCCAGTTTGCAATTGGTAACCCTGGGAACACTTGGTGCAT
 ATACAGCATTACAGTTGCAGTTACACGGTGGAGAAGTATTTAGAATAGAAAATGAACAAAAGCTGATAA
 CGATGCAGGGAACGCTGCTATTGACTCACTGCTGAATTTGAAACTGTGAAGTATTTTAAACATGAAAAA
 TATGAAGCACAAAGATATGATGGATTCTGAAGACATATGAGACTGCTTCATTGAAAAGTACCTCTACTC
 TGGCTATGCTGAATTTTGGCCAAAGTGCTATTTTCAGTGTGGATTAACAGCTATCATGGTCTTCCAG
 TCAGGGAATTGTGGCAGGTGCCCTTACTGTTGGAGATCTAGTAATGGTGAATGGACTGCTTTTTCAACTT
 TCATTACCCCTTAACTTCTTGGAACTGTATATAGAGAGACACGCAAGCACTCATAGATATGAATACCT
 TGTTTACTCTGCTCAAGGTAGACACGCGGATTAAGACAAAGCGATGGCATCTCCCTTCAAATAACACC
 ACAGACAGCCACGGTGGCCTTTGATAATGTGCATTTTGTAGTACATTGAAGGACAGAAAAGTCTTAGCGGA
 GTATCTTTTGAAGTCCCTGCAGGAAAGAAAGTGGCCATTGTAGGAGGTAGTGGGTCAGGAAAAAGCACGA
 TAGTGAGGCTGCTGTTTCGCTTCTATGAGCCTCAAAGGGTAGCATTACCTTGTGGTCAAATATTCA
 AGATGTGAGCCTGGAAAGTCTTCGGCGTGCAGTGGGAGTAGTACCTCAGGATGCTGCTCTTCCATAAT
 ACTATCTACTACAACCTTATATGGAAACATCAATGCGTCACCAGAGGAAGTATATGCAGTCGCAAAAT
 TGGCTGGTCTTCATGATGCAATTCGAATGCCACATGGATATGACACAAAGTAGGAGAACGAGGACT
 CAAGTTATCAGGAGGAGAAAAGCAGAGGGTAGCGATTGCAAGAGCCATTTTGAAGGATCCCCAGTTATT
 CTCTATGATGAAGCTACTTCATCATTAGATTCCGATTACTGAAGAGACTATTCTTGGTGCCATGAGGGATG
 TGGTGAAGCACAGAACTTCTATTTTTCATCGCACATAGATTGTCAACAGTGGTTGATGCAGATGAAATCAT
 TGTCTGAGCCAGGAAAAGTAGCTGAACGTGGTACCCACTATGGTCTGCTTGTAACTCTAGCAGTATC
 TATTCAGAGATGTGGCATACACAGAGCACCCGCATACAGAACCATGATAACCTTGGATGGGATGCAAAGA
 AAGAGAGTCTCTCTAAAGAGGAGGAGAGAAAAGCTCCAAGAAGAGATTGTCAACAGCGTGAAGGCTG
 TGGAAATTGCTCCTGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_212518

Insert Size: 2259 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:	<u>NM_212518.1</u> , <u>NP_997683.1</u>
RefSeq Size:	2368 bp
RefSeq ORF:	2259 bp
Locus ID:	302395
UniProt ID:	<u>Q704E8</u>
Cytogenetics:	Xq22
Gene Summary:	mouse homolog plays a role in heme biosynthesis in erythroid cells; regulates expression of both the mitochondrial iron-sulfur-containing protein ferrochelatase and the cytosolic iron-sulfur containing protein thioredoxin [RGD, Feb 2006]