

Product datasheet for **RN203361**

Tap2 (NM_032056) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tap2 (NM_032056) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tap2
Synonyms:	Abcb3; Cim
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203361 representing NM_032056
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCTGTCTACCCGAGGCCCTGGGCCTCTCTGCTGCTGGTGGACCTGGCTTTACTTGGGTTGCTAC
 AAAGATCTCTGGAACTCTGCTTCCCCGGGGCTGCCAGGATTATGGCTGGAGGGCACCCCTGCGACTTGG
 AGTGTCTGTGGGACTGCTAAAAGTGGGAGGGCTGCTGAGACTTGTGGGACCTTTCTGCCCTTGCTCTGC
 CTGACCACCCCTGTTTTCTCGCTGAGAGCCCTGGTGGGAAGCACCATGAGCACCTCAGTACTCAGAG
 TGGCTTCTGCCTTTGGGGCTGGCTGCTTGGCTATGTAGCCGCGGCTTGGAGCTTGGCGTGTGGGC
 TGTGCTGAGCCCCGCTGGAGCACAGGAGAAGGAACAGGCCAGGAGAACAACAGAGCACTCATGATACGG
 TTGCTGAGGCTGTCCAAGCCGATCTGCCTTCTCATTGTTGCCTTCATCTTCTTGGCATGGCTGTGT
 GGGGGGAGACGTTAATCCCTCATTATTCGGGTCGTGTGATTGACATCCTGGGAGGTGATTTTGACCCAGA
 CGCCTTTCGAGCGCCATCTTTTTCATGTGCTTATTCTCTGTTGGGAGCTCCCTCTCTGAGGCTGCCGA
 GGAGGCTCCTTCTCTTACCATGTCCAGGATCAACCTTCGCATACGAGAGCAGCTTTTCTCATCTTTGT
 TGGCCAAGACCTTGATTCTTCCAGGAGACCAAGACAGGGGAGCTGAACCTCACGGCTGAGCTCGGACAC
 CTCCTGATGAGCCGCTGGCTCCCTTCAATGCCAATATCCTGCTGCGGAGCCTGGTGAAGTGGTGGGG
 CTGTACTACTTATGCTCCAGGTCTCCCGAGACTCACCTTCTCTCCCTGCTGGACCTGCCCTCACAA
 TAGCAGCCGAGAAGGTGTACAACCCCGCCATCAGGCTGTGCTAAAGGAGATCCAGGATGTAGTGGCGAA
 GGCAGGGCAGGTGGTGGCTGAGGCCGTAGGAGGGCTGCAGACCGTGAGAAGCTTTGGCGCGGAGGAGCAG
 GAAGTCAGCCGCTACAAGGAGCCCTGGAGCGATGTCGACAGCTGTGGTGGCGCCGAGACCTGGAAAAAG
 AATTGTATTTAGTCATACGGAGGGTAATGGCCTTGGGCATGCAGGTGCTGATTCTGAACCGCGTGTGA
 GCAGATCCTGGCTGGGGAGGTACCCGGGGCGCCCTGCTCTCCTTCTGCTGTATCAGGAGGAAGTGGGG
 CACCATGTCCGGAACCTGGTATACATGTATGGGGATATGCTGAGCAACGTGGGTGCCGCGAAAAGTTT
 TTTCTACTTGGACCGAAGGCCAAATCTGCCGAAGCCTGGTACCCTGGCCCTCCAGGGTGGAGGGGCG
 CGTGGAAATTTCAAGATGTCTCCTTCTCGTACCCAGTCGCCCCGAGAAGCCTGTGCTCCAGGGCCTGACG
 TTTACCCTGCATCCTGAAAAGGTGACCGCGTTGGTGGGACCCAATGGGTGAGGAAGAGCACCGTGGCCG
 CCCTGCTGCAGAACCTGTACCAGCAACCGGGGCAAGGTGCTCCTGGATGGCGAGCCCTGGTCCAGTA
 CGATCACCACTACCTGCACCGCCAGGTGGTTCTGGTGGGGCAGGACCTGTGCTGTTCTCCGTTTCTGTC
 AAGGACAATATTGCTATGGCCTGAGGAACTGTGAGGATGCTCAAGTGTGGCTGCTGCCAGGCGGCCCT
 GTGAGAGCAGCTCATAGGGGAAATGACGAACGGAATAAACACAGAAATCGGGGAGAGAGGGAGCCAGTT
 AGCTGTGGGACAGAAGCAACGTCTGGCCATTGCCCGGGCCCTTGTGCGGAACCCGCGGGTCTCATCCTG
 GATGAGGCTACCAGTGCCTGGACGCCGAGTGCAGCAGGCTCTTTCAGACCTGGAGATCGCAGGAGGACA
 GGACGATGCTGGTCATTGCTCACCGGCTGCACACGGTTGAGAAATGCTGACCAAGTTCTGGTGTCAAGCA
 GGGGCAGCTGGTGGAGCACGACCAGCTCAGGGATGAGCAGGATGTCTACGCTCACTTGGTACAGCAGCGG
 CTGGAAGCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_032056

Insert Size: 2112 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_032056.3</u> , <u>NP_114445.2</u>
RefSeq Size:	2446 bp
RefSeq ORF:	2112 bp
Locus ID:	24812
UniProt ID:	<u>P36372</u>
Cytogenetics:	20p12
Gene Summary:	transports peptides into the ER lumen for binding with MHC class I molecules; plays a role in antigen processing and presentation [RGD, Feb 2006]