

Product datasheet for **MC204656**

Tap2 (NM_011530) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tap2 (NM_011530) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tap2
Synonyms:	ABC18; Abcb; Abcb3; AI462429; APT2; Ham; Ham-; Ham-2; Ham2; jas; MTP; MTP2; PS; PSF2; RING11; Tap; Tap-2; Y1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC051257
 CAGTTTGAGAAGAAGCAGATTCCAGAAGCTCTCCTGAGCTGCCGCTCCGAGCCGAGAACCCACCATGG
 CGCTGTCTACCTGAGGCCCTGGGTCTCTCTGCTGCTGGCGGACATGGCTTTACTTGGGTTGCTACAAGG
 ATCTCTGGGAAATCTGCTTCCCCAGGGGCTGCCAGGACTCTGGATAGAGGGCACCTGCGACTTGGAGTG
 CTGTGGGACTGCTAAAAGTGGGAGAGCTGCTGGGACTTGTGGGACCCTTCTGCCCTTGCTCTGCCTTG
 CCACTCCCCTGTTTTCTCGCTAAGAGCCCTGGTGGGAGGACCCGAGCACCTCAGTAGTCCGAGTGGC
 TTCTGCCTTTGGGGCTGGCTGCTGGCTATGGGGCTGTTGCGCTGAGCTGGGCCGTGTGGGCTGTG
 CTGAGCCCGGCTGGAGTCCAGGAGAAGGAACCAGGCCAGGAGAACAACAACACTGATGAAGCGTTGCTGA
 AGCTGTCCAGGCCGACCTGCCTTCTCATAGCTGCCTTCTTCTTCTTGTGGTGGCTGTGTGGGGGA
 GACATTAATCCCTCGCTATTTCGGGTGCTAATTGACATCCTGGGAGGTGATTCGACCCGACGCCTTT
 GCAAGCGCATCTTTTTCATGTGCTGTTCTGTTGGGAGCTCCTTCTCTGCAGGCTGTAGAGGAGGCT
 CCTTCTCTTCCACATGTCCAGGATCAACTGCCGATACGAGAGCAGCTTTTCTCATCTTTGTTGCGCCA
 AGACCTTGGATTCTTCCAGGAGACCAAGACAGGGGAGCTGAACCTCGAGGCTGAGCTCTGACACCTCTCTG
 ATGAGCCGCTGGCTCCCTTTCAATGCCAATATCCTGCTGCGGAGCCTGGTGAAGTGGTGGGCTCTACT
 TCTTCATGCTCCAGGTATCGCCCGACTCACCTTCTCTCCCTGCTGGACCTGCCCTCAGGATAGCAGC
 TGAGAAGGTGTACAACCCCGCCATCAGCGGTGCTAAAGGAGATCCAGGATGCAGTGGCCAAGGCGGGG
 CAGGTGGTGGCGAGGCCGTAGGAGGGGCTGCACTGTGCGAAGCTTTGGGGCCGAGGAGAGGAAGTCA
 GCCGCTACAAGGAGGCCCTGGAGCGATGTAGACAGCTGTGGTGGCGCCGAGACCTGGAAAAAGACGTGTA
 TCTAGTCATACGGAGGGTGTGGCTTGGGCATGCAGGTGCTGATTCTGAACTGCGGCGTGCAGCAGATT
 CTGGCTGGAGAGGTACCCCGGGTGGCTGCTCTCTTCTGCTGTACCAGGAGGAAGTGGGACAATATG
 TCCGGAACCTGGTTTACATGTACGGGATATGCTGAGCAACGTGGGCGCTGCTGAAAAGTGTTTTCTTA
 CTTGGACCGAAAGCCGAATCTGCCCCAGCCTGGGATCCTGGCCCTCCCTGGCTGGAGGGCGCGTGGAA
 TTCCAAGACGCTCCTTTTTCGTATCCCAGGCGCCCGAGAAGCCTGTGCTCCAGGTCTGACGTTTACCC
 TGCATCCTGGAACGGTGACAGCGTTGGTGGGACCCAATGGATCAGGGAAGAGCACCGTGGCCGCCCTGCT
 GCAGAACCTGTACCAGCCACTGGGGCCAGCTGCTGCTGGATGGCGAGCCCTGACCGAGTATGATCAC
 CACTACCTGCACCGCCAGGTGGTTCTGGTGGGCGAGGAGCCTGTGCTGTTCTCGGTTTCTGTCAAGGACA
 ATATTGCCTATGGCTGAGGGACTGTGAGGACGCTCAAGTGATGGCAGCTGCCAGGCGGCTGTGCAGA
 CGACTTCATAGGGGAAATGACTAATGGAATAAACACAGAAATCGGGGAAAAAGGGGGCCAGTTAGCTGTG
 GGACAGAAGCAACGTCTGGCCATTGCCCGGCCCTTGTGCGGAACCCACGGTCTCATCTGGATGAGG
 CTACCAGCGCCCTGGACGCCAGTGTGAACAGGCCCTACAGAAGTGGAGATCGCAGGGGGACAGGACGAT
 GCTGGTGATTGCCACAGGCTGCACACGGTTCAGAATGCTGACCAAGTTCTGGTGTCAAGCAGGGACGT
 CTGGTGGAGCATGACCAGCTCAGGGACGCCAGGATGTCTACGCCACCTGGTACAGCAGCGGCTGGAGG
 CATGAGGCCTCCAGACCCTGAGCCCTCTCAGGACTGTGGCCAGGATCAGACCCACAGGGACCGTGCCGG
 AGGAGGCTAGGGTCAAGATAAAGATTGGGACCGTTTTGGACTTTGTGTGTTTTGTGGCCTTGATGGGTG
 AGGGTTGGGGGAGTGGGTGGTTTGTGGTTCTAGAAACATTATTTTTTTGCTGAATATAAAAAATAAAT
 ATATATAAATGCTTTTCTTAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_011530
- Insert Size:** 2109 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: [BC051257](#), [AAH51257](#)

RefSeq Size: 2425 bp

RefSeq ORF: 2109 bp

Locus ID: 21355

UniProt ID: [P36371](#)

Cytogenetics: 17 17.98 cM

Gene Summary: The membrane-associated 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 MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. The protein encoded by this gene is involved in antigen presentation. This protein forms a heterodimer with Tap1 in order to transport peptides from the cytoplasm to the endoplasmic reticulum. Mutations in the human gene may be associated with ankylosing spondylitis, insulin-dependent diabetes mellitus, and celiac disease. [provided by RefSeq, Jul 2008]