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Product datasheet for MC200778

Tap2 (BC005578) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tap2 (BC005578) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tap2
Synonyms:	APT2, Y1, RING11, ABC18, MTP2, PSF2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC005578
AGCAGATTCCAGAAGCTCTCCTGAGCTGCCGCTCCGCAGCCGCAGAACCCACCATGGCGCTGTCCTACCT
GAGGCCCTGGGTCTCTCTGCTGCTGGCGGACATGGCTTTACTTGGGTTGCTACAAGGATCTCTGGGAAAT
CTGCTTCCCCAGGGGCTGCCAGGACTCTGGATAGAGGGCACCCTGCGACTTGGAGTGCTGTGGGGACTGC
TAAAAGTGGGAGAGCTGCTGGGACTTGTGGGGACCCTTCTGCCCTTGCTCTGCCTTGCCACTCCCCTGTT
TTTCTCGCTAAGAGCCCTGGTGGGAGGCACCGCGAGCACCTCAGTAGTCCGAGTGGCTTCTGCCTCTTGG
GGCTGGCTGCTGGCTGGCTATGGGGCTGTTGCGCTGAGCTGGGCCGTGTGGGCTGTGCTGAGCCCGGCTG
GAGTCCAGGAGAAGGAACCAGGCCAGGAGAACAGAACACTGATGAAGCGGTTGCTGAAGCTGTCCAGGCC
GGACCTGCCTTTCCTCATAGCTGCCTTCTTCTTCCTTGTGGTGGCTGTGTGGGGGGAGACATTAATCCCT
CGCTATTCGGGTCGTGTAATTGACATCCTGGGAGGTGATTTCGACCCCGACGCCTTTGCAAGCGCCATCT
TTTTCATGTGCCTGTTCTCTGTTGGGAGCTCCTTCTCTGCAGGCTGTAGAGGAGGCTCCTTCCTCTTCAC
CATGTCCAGGATCAACCTGCGGATACGAGAGCAGCTTTTCTCATCTTTGTTGCGCCAAGACCTTGGATTC
TTCCAGGAGACCAAGACAGGGGAGCTGAACTCGAGGCTGAGCTCTGACACCTCTCTGATGAGCCGCTGGC
TCCCTTTCAATGCCAATATCCTGCTGCGGAGCCTGGTGAAGGTGGTGGGGCTCTACTTCTTCATGCTCCA
GGTATCGCCCCGACTCACCTTCCTCTCCCTGCTGGACCTGCCCCTCACGATAGCAGCTGAGAAGGTGTAC
AACCCCCGCCATCAGGCGGTGCTAAAGGAGATCCAGGATGCAGTGGCCAAGGCGGGGCAGGTGGTGCGCG
AGGCGGTAGGAGGGCTGCAGACTGTGCGAAGCTTTGGGGCCGAGGAGCAGGAAGTCAGCCGCTACAAGGA
GGCCCTGGAGCGATGTAGACAGCTGTGGTGGCGCCGAGACCTGGAAAAAGACGTGTATCTAGTCATACGG
AGGGTGATGGCCTTGGGCATGCAGGTGCTGATTCTGAACTGCGGCGTGCAGCAGATTCTGGCTGGAGAGG
TCACCCGGGGTGGCCTGCTCTCCTTCCTGCTGTACCAGGAGGAAGTGGGACAATATGTCCGGAACCTGGT
TTACATGTACGGGGATATGCTGAGCAACGTGGGCGCTGCTGAAAAGGTGTTTTCCTACCTGGACCGAAAG
CCGAATCTGCCCCAGCCTGGGATCCTGGCCCCTCCCTGGCTGGAGGGGCGCGTGGAATTCCAAGACGTCT
CCTTTTCGTATCCCAGGCGCCCCGAGAAGCCTGTGCTCCAGGGTCTGACGTTCACCCTGCATCCTGGAAC
GGTGACAGCGTTGGTGGGACCCAATGGATCAGGGAAGAGCACCGTGGCCGCCCTGCTGCAGAACCTGTAC
CAGCCCACTGGGGGCCAGCTGCTGCTGGATGGCGAGCCCCTGACCGAGTATGATCACCACTACCTGCACC
GCCAGGTGGTTCTGGTGGGGCAGGAGCCTGTGCTGTTCTCGGGTTCTGTCAAGGACAATATTGCCTATGG
CCTGAGGGACTGTGAGGACGCTCAAGTGATGGCAGCTGCCCAGGCGGCCTGTGCAGACGACTTCATAGGG
GAAATGACTAATGGAATAAACACAGAAATCGGGGAAAAAGGGGGCCAGTTAGCTGTGGGACAGAAGCAAC
GTCTGGCCATTGCCCGGGCCCTTGTGCGGAACCCACGGGTCCTCATCCTGGATGAGGCTACCAGCGCCCT
GGACGCCCAGTGTGAACAGGCCCTACAGAACTGGAGATCGCAGGGGGACAGGACGATGCTGGTGATTGCC
CACAGGCTGCACACGGTTCAGAATGCTGACCAAGTTCTGGTGCTCAAGCAGGGACGTCTGGTGGAGCATG
ACCAGCTCAGGGACGGCCAGGATGTCTACGCCCACCTGGTACAGCAGCGGCTGGAGGCATGAGGCCTCCA
GACCCTGAGCCCCTCTCAGGACTGTGGCCAGGATCAGACCCACAGGGACCGTGCCGGAGGAGGCTAGGGT
CAGGATAAAGATTGGGACCGTTTTGGACTTTGTGTGTTTTTGTGGCCTTGATGGGTGAGGGTTGGGGGAG
TGGGTGGTTTGTGGTTCTAGAAACATTATTTTTTTGCTGAATATAAAAATAATAAATATATATAAAATGC
TTTTCCTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC005578

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:	BC005578, AAH05578
RefSeq Size:	2408 bp
RefSeq ORF:	2109 bp
Locus ID:	21355
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]