

Product datasheet for **MR216714**

Tapbp (NM_001025313) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tapbp (NM_001025313) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tapbp
Synonyms:	D17Wsu91e; TPN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR216714 representing NM_001025313
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAAGCCTCTGCTCCTGCTCGTCTGTGGCACTGGGCTAGCGACCGTCGTCCTCGTCTCGGCTG
 GACCAGAGGCGATCGAGTGTGTTCTGTGGAGGATGCAGGTGGGGTGGCCTGTCTAAGAAACCTGCCAC
 ACTGCTACTGCGCCATGGACCCAGGGGACCGCCGCCCGGCCAGATCTTGACCCAAAGCTATACTTCAAG
 GTGGATGACCCGGCGGGAATGCTCCTGGCCGCTTCAGGCGGTACCCCGCAGGCGCTCCGCCCCACACT
 GCGAGATGAGCCGCTTCATCCCGTTCCCTGCCTCGGCGAAGTGGGCTAGAAGTCTGAGTCCGGAGCAGAA
 CTGCCCCGCGGCCCTGGACGGGATTGGCTGCTGGTCAGCGTATCCAGCACTCTCTTCAGCCTCTCCAGC
 CTGCTGCGACCACAGCCGAGCCTCTGCGGGAGCCTGTCGTCATCACCATGGCAACAGTGGTGTGACCG
 TCCTACCCATAACCCTGCCCTCGAGTCCAGCTGGGAAAGGATGCAGTCTGGACCTGCGCTTCGCCTA
 CGCACCTCCGCCCTGGAAGTTCTCCCTCTCTGGACGCGGCCCTCTCCCTTTGGGCTGGAGTGGCGA
 CGCCAGCACAGGGGAAAGGTTACCTGTGTTGGCTGCCACCCCGGGCTGGCCGGGAGAATGCCACCAG
 CCCAGGAAAAGGTACGGCATTTCAGCTTGGGATGACGATGAGCCCTGGGGCCCGTGGACTGGGAATGG
 GACCTTCTGGCTTCAGCCGTGAAGCCTTCTCAGGAGGTGTCTACCTGGCTACGGTACACCTGCCCTAC
 CTGCAAGGACAGGTCTCCCTGGAGCTGACTGTGCACAAGGCCCCAGAGTGTCTTAACACCAGCACCCG
 TTGTGTGGGTGCCCCAGGAGAGGCACCCCAAGTGTCTGTCTTGCATCCCACTTCTTCCCTGCGGA
 GGGTCTGGAGGTCAAGTGGGAGCTCAGAGGCGGCCAGGAGGAAGTTCTAGAAAGTTGAGGGGAAGACG
 TGGCTCTCCACCATCCGCCACCATTCGATGGCTCTGTGAGCCAGTCTGGCACCTGCAGCTACCTCCAG
 TCACTGCCAAGCAGCATGGAGTTCACTATGTCTGTGCGGTGTACCACTCTAGCCTGCCAGCATCGGGGCG
 CAGTGTGACGTACCCCTGGAGGTGGCAGGCTTCTCAGGGCCCTCCATCGAGGACGGCATCGGCCGTGTT
 CTGTCTGCTTTTCTCCTCCTCGACTCCTCAAGGTGCTAGGCTGGCTGGTAGCTGCCTACTGGACCATTC
 CTGAAGTCTCAAAGGAGAAGGCCACAGCTGCCAGCCTGACCATTCCAGGAACTCAAAGAAGTCACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216714 representing NM_001025313
 Red=Cloning site Green=Tags(s)

MKPLLLLVAVALGLATVVSVSAGPEAIECFWVEDAGGGGLSKKPATLLLRHGPRGPPPRDLDPKLYFK
 VDDPAGMLLAFFRRYPAGASAPHCMSRFIPFPASAKWARSLSPEQNCPRALDGDWLLVSVSSTLFSLS
 LLRPQPEPLREPVVITMATVVLTVLTHNPAPRVQLGKDAVLDLRFAYAPSALESPSLDAGPPPFGLWR
 RQHRGKGHLLAATPGLAGRMPPAQEKATAFAAWDDDEPWGPWTGNGTFWLPVAVKPSQEGVYLATVHL
 PYLQGQVSLELTVHKAPRVSLTPAPVVAAPGEAPPELLCLASHFFPAEGLEVWELRGPGGSSRKVEGKT
 WLSTIRHSDGSVSQSGHLQLPPVTAKQHGVHYVCRVYHSSLPASGRSADVTLEVAGFSGPSIEDGIGLF
 LSAFLLLGLLKVGLWLVAAWYTIPEVSKEKATAASLTIPRNSKKSQ

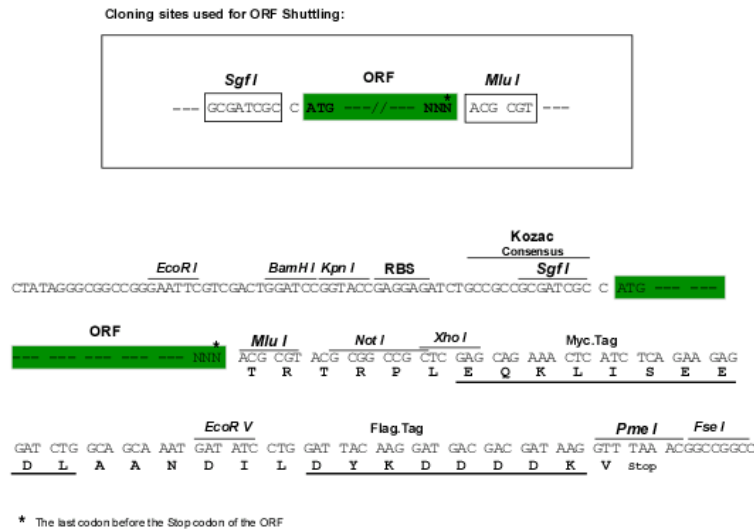
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_c02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001025313

ORF Size: 1398 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001025313.1](#), [NP_001020484.1](#)

RefSeq Size: 2750 bp

RefSeq ORF: 1401 bp

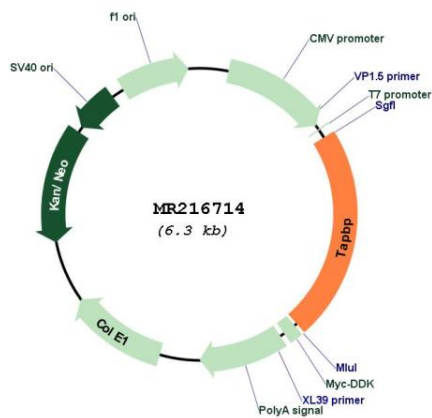
Locus ID: 21356

Cytogenetics: 17 17.98 cM

MW: 50.3 kDa

Gene Summary: Involved in the association of MHC class I with transporter associated with antigen processing (TAP) and in the assembly of MHC class I with peptide (peptide loading).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216714