

Product datasheet for **MG216714**

Tapbp (NM_001025313) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tapbp (NM_001025313) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tapbp
Synonyms:	D17Wsu91e; TPN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG216714 representing NM_001025313
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCCTCTGCTCCTGCTCGCTGTGGCACTGGCCCTAGCGACCGTCGCTCCGTCGCTCGGCTG
 GACCAGAGGCGATCGAGTGTGGTTCGTTGGAGGATGCAGGTGGGGTGGCCTGTCTAAGAAACCTGCCAC
 ACTGCTACTGCGCCATGGACCCAGGGGACCGCCGCCCGCCAGATCTTGACCCAAAGCTATACTTCAAG
 GTGGATGACCCGGCGGAATGCTCCTGGCCGCTTCAGGCGGTACCCCGCAGGCGCTCCGCCCCACACT
 GCGAGATGAGCCGCTTATCCCGTTCGCCGCTCGGCCAAGTGGGCTAGAAGTCTGAGTCCGGAGCAGAA
 CTGCCCGGGCCCTGGACGGGATTGGCTGCTGGTCAAGCATCCAGCACTCTTTCAGCCTCTCCAGC
 CTGCTGCGACCACAGCCGAGCCTCTGCGGGAGCCTGTCGTCATCACCATGGCAACAGTGGTGTGACCG
 TCCTCACCCATAACCCTGCCCTCGAGTCCAGTGGGAAAGGATGCAGTGTGGACTGCGCTTCGCTA
 CGCACCTCCGCCCTGGAAGTTCTCCCTCTGACGCTAGGCCCTCTCCCTTTGGGCTGGAGTGGCGA
 CGCCAGCACAGGGGAAAGGGTCACTGTGTTGGCTGCCACCCCGGGCTGGCCGGGAGAATGCCACCAG
 CCCAGGAAAAGGCTACGGCATTTCAGCTTGGGATGACGATGAGCCCTGGGGCCCGTGGACTGGGAATGG
 GACCTTCTGGCTTCCAGCCGTGAAGCCTTCTCAGGAGGGTGTCTACCTGGCTACGGTACACCTGCCCTAC
 CTGCAAGGACAGGTCTCCCTGGAGCTGACTGTGCACAAGGCCCCAGAGTGTCTTAACACCAGCACCCG
 TTGTGTGGGCTGCCCCAGGAGAGGCACCCCAAGTGTCTGTCTTGCATCCCCTTCTCCCTTCGGA
 GGGTCTGGAGGTCAAGTGGGAGCTCAGAGGCGGCCAGGAGGAAGTCTAGAAAGTTGAGGGGAAGACG
 TGGCTCTCCACCATCCGCCACCATCCGATGGCTCTGTGAGCCAGTCTGGCACCTGCAGTACCTCCAG
 TCACTGCCAAGCAGCATGGAGTTCATAATGTCTGTCGGGTGTACCCTAGCCTGCCAGCATCGGGGCG
 CAGTGTGACGTACCCTGGAGGTGGCAGGCTTCTCAGGGCCCTCCATCGAGGACGCATCGGCCTGTTT
 CTGTCTGCTTTTCTCCTCCTCGGACTCCTCAAGGTGCTAGGCTGGCTGGTGTAGCTGCTACTGGACATT
 CTGAAGTCTCAAAGGAGAAGGCCACAGCTGCCAGCCTGACCATTCCAGGAACTCAAAGAAGTACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216714 representing NM_001025313
 Red=Cloning site Green=Tags(s)

MKPLLLLVAVALGLATVVSVVSAGPEAIECFWVEDAGGGGLSKKPATLLLRHGPRGPPRPDLDPKLYFK
 VDDPAGMLLAFFRRYPAGASAPHCMSRFIPFPASAKWARSLSPEQNCPRALDGDWLLVSVSSTLFSLS
 LLRPQPEPLREPVVITMATVVLTVLTHNPAPRVQLGKDAVLDLRFAYAPSALEGSPLDVGPPPFLEWR
 RQHRGKGHLLLAATPGLAGRMPPAQEKATAFAAWDDDEPWGPWTGNGTFWLPVAVKPSQEGVYLATVHLPY
 LQGQVLELTVHKAPRVSLTPAPVVWAAPGEAPPELLCLASHFPSEGLEVKWELRGGPGSSRKVEGKT
 WLSTIRHHSVSDGSVQSGHLQLPPVTAKQHGVHYVCRVYHSSLPASGRSADVTLEVAGVSGPSIEDGIGLF
 LSAFLLLGLLKVLGWLVAAYWTIPEVSKEKATAASLTIPRNSKKSQ

TRTRPLE - GFP Tag - V

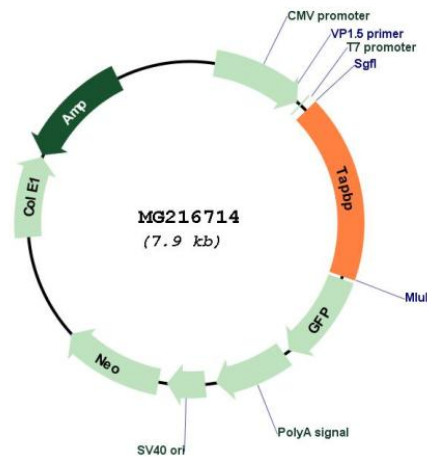
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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_001025313.1, NP_001020484.1</u>
RefSeq Size:	2750 bp
RefSeq ORF:	1401 bp
Locus ID:	21356
Cytogenetics:	17 17.98 cM
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]