

Product datasheet for MR205562

Tob1 (NM_009427) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tob1 (NM_009427) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tob1
Synonyms: Tob; Trob
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR205562 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGCTTGAATCCAAGTAGCACTCAATTTTATTATTTCTTACTTGTACAATAAGCTTCCCAGGAGAC
GTGTCAACATTTTGGTGAAGAGCTTGAAAGACTTCTTAAGAAGAAATATGAAGGGCACTGGTATCTGA
AAAGCCATACAAAGGCTCAGGGTTAGATGTATACACGTGGGGGAGAAGGTAGACCCCGTATCGAGCAG
GCATCAAAGAGAGTGGTTTGGACATTGACGATGTTCTGGCAATCTGCCACAGGATTTGAGTGTCTGGA
TCGACCCGTTTGGGTTTCTACAGATCGGCGAAAAGGGACCAGTGAAGGTGCTGTACGTGGACGACAG
TAGTGAAACCGGCTGTGAGCTGGATAAGGAGATCAAAAACAGCTTTAACCCGGAGGCCAGGTGTTTCATG
CCCATAAGCGACCCGGCCTCCTCCGTGTCCAGCTCTCCCTCACCTCCCTTCGGCCACTCTGCTGCTGTCA
GCCCTACCTTCATGCCCGGTCCACGCAGCCTTTAACCTTTACCACTGCCACTTTTGTGCCACCAAGTT
CGGCTCCACAAAATGAAGAATAGTGGCCGTAGCAGCAAGGTAGCTCGCACTTCTCCGATCAACCTGGGC
CTGACTGTAAATGTGAACGACCTCCTGAAGCAGAAAGCCATCTTCTCAGTGCCTCTGTATGGGC
TGGCCTGGGCAGCCAGCAGCAGCCACAGCCGACCCACAGCAGCAGCAGCAGCAGCAGCAGCCGTCATC
CCAGCCCGCCCTCCACTACCGCAGCAGCAGCAGCCACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAA
ACCTCTGCTCTTTCTCCAATGCCAAGGAATTTATTTTCTAACATGCAGGGTCAAGGTAGTAGCA
ATGGAATGTTCCAGGTGACAGCCCTCAACCTCAGTCCCTCCAGTACAGCAATGCCTTTGATGTGTT
TGCAGCCTACGGAGCCCAACGAGAAGTCTTTGTAGACGGCTTGAATTTAGCTTAAATAACATGCAG
TATTCTAACAGCAATCCAGCCTGTTATGGCTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205562 protein sequence
 Red=Cloning site Green=Tags(s)

MQLEIQVALNFIISYLYNKLPRRRVNI FGEELERLLKKKYEGHWYPEKPYKGS GFRCIHVGEKVDPVIEQ
 ASKESGLDIDDVRGNLPQDL SVWIDPFVSYQIGEGPKVKVLYVDDSS ETGCELDKEIKNSFNPEAQVFM
 PISDPASSVSSSPSPF GHSAAVSPTFMPRSTQPLTFTTATFAATKFGSTKMKN SGRSSKVARTSPINLG
 LTVNVNDLLKQKAISSSVHSLYGLGLGSQQQPQPQQQQQQQPSSSQPPPLPQQQQQQPQQQQQQQQ
 TSALSPNAKEFIFPNMQGQSS TNGMFPGDSPLNLSPLQYSNAFDVFAAYGGLNEKSFVDGLNFSLNNMQ
 YSNQQFPV MAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_009427

ORF Size: 1089 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.

RefSeq: [NM_009427.2](#), [NP_033453.2](#)

RefSeq Size: 2288 bp

RefSeq ORF: 1089 bp

Locus ID: 22057

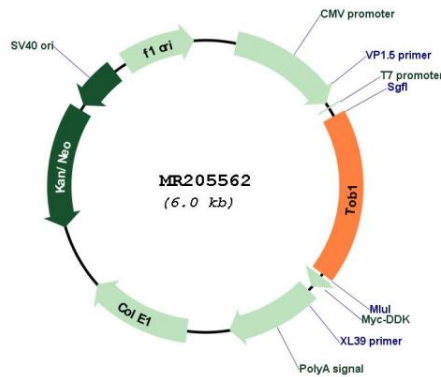
UniProt ID: [Q61471](#)

Cytogenetics: 11 D

MW: 40.1 kDa

Gene Summary: Anti-proliferative protein; the function is mediated by association with deadenylase subunits of the CCR4-NOT complex. Mediates CPEB3-accelerated mRNA deadenylation by binding to CPEB3 and recruiting CNOT7 which leads to target mRNA deadenylation and decay. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205562