

Product datasheet for MR212156

Tcp10a (NM_009340) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tcp10a (NM_009340) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tcp10a
Synonyms: D17Leh66A; D17Leh66aa; T66A-a; Tcp-10a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR212156 representing NM_009340
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTTGGAGGATCTGAGTCAAGGAAAAGGGTCCAACCATGAGAAGAGGAAGATGGAGAGCACAGCCAGA
 TCACTGAGGAAGACAGCAAGCTTGATGAGGTTGTGGGCTGCAGAACAAATACCTCCAAAGCCAGATCGA
 TGCTCTGATAAAGGAGAACCAGGAGATCCGTGCGGAGCTGAAGACCTGAAGAAGCAGGATGCAGAGGCC
 ACCAAAGCCTCTATAGGCTCGCCACCCCGCAAGAGCAAGCAACTCTGCCAGTGTACATAAAGATAG
 AGGGAATTGATTCTGAGAGGACAACCTCATGGGATGAAAGAGATGAGCTTCTGGAAGTCTCCAAACAG
 AAGCACAATGGCCACCGAGGAACAGACTCCCAGGATGAAAGGCTGTCTTTACATCTGTGGATGAAAAG
 GTTATACACATGTCTTCCAAATTTCTGCAAGAAGCTTCGGCAGAATGTCACCAGAACCACTGTCTGACA
 GCACATTCCTGGACACAGAGTCACTGGCTGACATCTGTTCCCTCAAATCCAGAGACTTCGGACAGTGAAT
 TCTCCTGCATGCTCAAGCAAGCAGGGTCATCCCTTGTTTTCCCAATGCAGTGTGGATGCAGAATATC
 CCAACAAAGTCAAGAGCTCCTAAAGAAATACAGCAAACCTCGGACACTACAAAGACTGATGAGACAAAGG
 AAAAGCGACCCCAACGCAAGGTGGAGCGGATGCTCAGTGTGGGCGAACCATCATCACCTTCCCAA
 TGAACCGGAAGGAGATCAGTGTGACAAGAAGACCACCTCATCAGGTTTTTAAACGGTGACATGAAG
 AAGTCAAGTCCGATCAGAAAGTGATTTATTATTATGCGGACACAAACAATGCACACAACCTACCCAG
 ATGGTGTGAAGTGGTGCAGTTTCTAACAAGTGGACTGAAAAATTCTACCCGGATGGCTCCAAGGAAAC
 CGTGTTCCTGATGGGACAGTGAACAGCTTAAGGATGGATGTGAAGAGACGGTGTTCGCCGATGGGACA
 TTTGTGACAGTGAAGAGGAACGGAGACAAAACCATCATGTTTCAGCAACGGAGAGAAAAGAAATCCACACGG
 CCAGGTTCAAGCGGAAGGAATCCAGATGGCACCACCAAGACTGTGATTGCAATGGCTGCCAGGAGAC
 CAAGTATGCCTCAGGGAGGGTCAGGGTCAAAGATGAGAAGGGAAGTGCATCCTGGACTGGAAAG

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR212156 representing NM_009340
Red=Cloning site Green=Tags(s)

MLEDLSQKGKSNHEKRKMESTAQITEEDSKLDEVVGLQNKYLSQIDALIKENQEIRAELKTLKKQDAEA
 TKASIGSPTPARASNTLPVYIKIEGIDSSERTTSWDERDELSGSPNRMSTMATGGTDSQDERLSFTSVDEK
 VIHSSKFLQRSFGRMSPEPLSDSTFLDTESLADICSSNPETSDSELLHAQASRVIPCFSPNALWMQNI
 PTKSRAPKEIQQTSDTTKTDETKEKRHPNGKVERMLSDGRTIITFPNGTRKEISADKKTTLIRFFNGDMK
 KIKSDQKVIYYADTQTMHTTYPDGVVVQFPNKWTEKFYPDGSKETVFPDGTVKQLKDGCEETVFPDGT
 FVTVKRNGDKTIMFSNGEKEIHTARFKRKEFPDGTTKTVYCNGCQETKYASGRVRYKDEKGTVILDWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1221_f02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_009340

ORF Size: 1254 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_009340.1](#), [NP_033366.1](#)

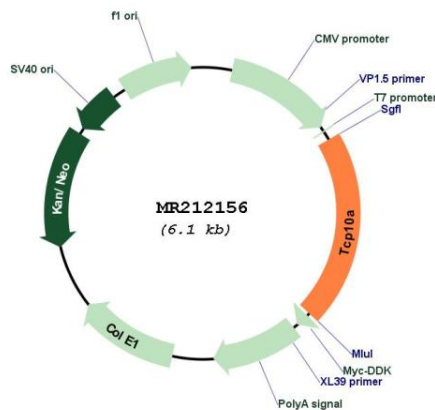
RefSeq Size: 1831 bp

RefSeq ORF: 1257 bp

Locus ID: 21460

MW: 49.8 kDa

Product images:



Circular map for MR212156