

Product datasheet for **MC216025**

Tbx19 (NM_032005) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbx19 (NM_032005) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbx19
Synonyms:	AU019250; D1Ertd754; D1Ertd754e; Tp; Tpit
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216025 representing NM_032005
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGAAGTGGCCACACAGAAGGCTGGCGAAGGCACTGTGTCTCGCCTGCTTAACGTGGTGGAAAGTG
AGCTCCAGGCAGGGAGGAGAAGGGAGACCCTACAGAGAAGCAACTTCAGATCATCCTGGAGGATGCTCC
CCTCTGGCAGAGATTCAAGGAAGTCACTAATGAAATGATCGTGACCAAGAACGGCAGACGGATGTTCCCT
GTCCTGAAGATTAGTGTACAGGGCTGGACCCCAATGCTATGTACTCTCTCTACTGGACTTCGTCGGGA
CCGACAGTCACCGCTGGAAGTACGTCAATGGTGAATGGTCCCGCAGGCAAGCCAGAGGTCTCTAGCCA
CAGCTGTGTCTACATTCACCCCGACTCCCCAACTTCGGGGCTCACTGGATGAAAGCTCCCATCTCCTTC
AGCAAAGTGAAGCTGACCAACAAGCTCAATGGAGGTGGCAGATAATGCTGAATTCTCTGCATAAATATG
AACCTCAGTTTCATATAGTCCGTGTTGGAGGCGCCCATCGAATGGTCATGAACTGCTCATTCCCTGAAAC
TCAGTTTCATCGTGTGACTGCCTATCAGAATGAGGAGATAACAGCTCTCAAAATCAAGTACAACCCTTTC
GCCAAGGCCTTCTTGATGCCAAGGAGAGAAACCCTCAAGGATGTTCCAGAGGCCATCTCTGAGAGCC
AGCATGTGACCTACTCTCACTTGGGAGGCTGGATCCTTTCCAATCCGGATGGTGTGTGCACAGCAGCAAA
CAGCAATTACCAGTATGCTACGCCTTTGCCTCTGCCTGCTCCCCACACACCCATGGCTGTGAGCACTAC
GCTGGCCTCCGAGGTCATCGGCAGGCTCCCTACCTTCTGCCTACATGCATAGAAACCATCTCCCTCAG
TGAATTTGATAGAAAGCTCAAGCAACAATCTGCAAGTTTTCTCGGGACCTGACAGCTGGACTTCCTTATC
CTCCACACCCCATGCCAGCATCTGTCTGTACCCACAGCAATGGCCCAATCAACCCAGGGCCAGCCCC
TATCCGTGCCTGTGGACCATTAGCAATGGAGGTGGGGCCCGTGGCATCAGGCTCAGAGGTGCACGCCA
GCACCTCAGGAACAATTCTCCTTGGGAACCTGCTGTCACTTCACCTTCCCTTTGCTCCCCACCAAGC
GACCACTTCAGCTGGTGTGGAGGCTTGGGTGAACCTTCACTAACCCAGCATTGCTGTGTCCACCTGGACA
GCCGTGGCCTCACACCCCTCCAGGCTGGGTGGCCAGGTGGAGCTGGGCGCCATTCTCCTTTCAT
TGGATAGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_032005

Insert Size: 1341 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: [NM_032005.4](#), [NP_114394.1](#)

RefSeq Size: 2662 bp

RefSeq ORF: 1341 bp

Locus ID: 83993

UniProt ID: [Q99ME7](#)

Cytogenetics: 1 72.47 cM

Gene Summary: This gene encodes a member of a family of transcription factors containing a characteristic T-box DNA-binding domain. The encoded protein promotes expression of the pro-opiomelanocortin (POMC) gene, which is important for the differentiation of cells in the pituitary gland. [provided by RefSeq, Mar 2013]