

## Product datasheet for MC217755

### Tead2 (BC050217) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tead2 (BC050217) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tead2
Synonyms:	ETF, TEF4, TEAD-2, TEF-4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC050217 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGGGATCCCCGACTGGGGCCCCCTGGATGATGGCGGGGGCTGGACAGGTAGCGAGGAAGGCAGCG  
AAGAGGGCACCGAGGCAGCGAGGGCGTTGGAGGTGATGGCAGCCCTGATGCAGAAGGCCGAACGAACT  
CATTGCCCGTTACATCAAGCTGAGGACAGGAAGACGAGAACCGGAAAGCAGGTCTCCAGCCATATTCAG  
GTTTTGGCTCGAAGGAAATCGAGAGAAATTCAGTCCAAGCTGAAGGACCAAGTCTCCAAGGACAAGGCCCT  
TCCAGACGATGGCCACCATGTCTTCGGCACAGCTCATCTCCGCCCTTCCCTCCAGGCCAAGCTGGGCC  
TTCTGGCCCTCAGGCCACTGAGCTTTTCCAGTTCTGGTCAGGGAGCTCTGGGCCACCATGGAATGTTCCA  
GACGTGAAGCCCTTCTCACAGGCACCGTTCTCCGTGTCAGTACGACCCCCAGCCTCTGACCTACCAGGGT  
ACGAGCCGCCCCAGCCCTCTCACCCCTGCCCCACCCGCTCCGTCTCCCCAGCCTGGCAGGCTCGGGC  
CCTGGGCACTGCCCGCTGCAGCTGATAGAGTTCTCAGCGTTTGTGGAACCGCCAGACGCAGTTGACTCG  
TTCCAGAGGCATCTGTTGTCCACATCAGTCAGCAGTGTCCCAGCCCTGGAGCACCACCCTAGAGAGTG  
TGGAGCTGCGGCAGATCTACGACAAATCCCTGAGAAGAAGGGCGCCTCCGCGAGCTGTATGACCGAGG  
GCCACCACATGCCCTTCTCCTCGTCAAGTCTGGGCGGACCTGAACTGGGGCCCCAGTGCCGAGGAGGCA  
GGGAGCAGCGGAGGTGGCGGTGGCTTCTATGGAGTGAGCAGCCAGTATGAGAGCCGGGAGCTCATGACAC  
TCACCTGCTCCTCAAGGTCTGCTCCTTTGGCAAGCAAGTGGTAGAGAAGGTGGAGACGGAACGGGCCCA  
GCTGGAGGACGGGCGCTTGTGTACCGTCTGCTGCGCTCTCCATGTGTGAGTACCTGGTTAATTTCTG  
CACAAGCTCCGTGAGCTGCCTGAACGCTACATGATGAACAGTGTCTGGAGAACTTACCATCCTCCAGG  
TTGTGACAAACAGGGACTCAGGAACTGCTGCTGTGACTGCCTACGTCTTTGAAGTCTCCACCAGTGA  
ACGAGGAGCCAGTACCACATCTACCGCTGGTCAGGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	BC050217
<b>Insert Size:</b>	1233 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC050217</a> , <a href="#">AAH50217</a>
<b>RefSeq Size:</b>	1951 bp
<b>RefSeq ORF:</b>	1232 bp
<b>Locus ID:</b>	21677
<b>Cytogenetics:</b>	7 29.19 cM
<b>Gene Summary:</b>	Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Acts by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (EMT) induction (By similarity). Binds to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3'). May be involved in the gene regulation of neural development. Binds to the M-CAT motif.[UniProtKB/Swiss-Prot Function]