

Product datasheet for **MC227737**

Tead2 (NM_001285498) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tead2 (NM_001285498) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tead2
Synonyms:	Etdf; ETF; TEAD-2; TEF-4; TEF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC227737 representing NM_001285498
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGGATCCCCGACTGGGGCCCCCTGGATGATGGCGGGGGTGGACAGGTAGCGAGGAAGGCAGCG
 AAGAGGGCACCGAGGCAGCGAGGGCGTTGGAGGTGATGGCAGCCCTGATGCAGAAGGTGTGGAGCCC
 CGACATTGAGCAGAGTTTTTCAGGAGGCCCTGGCCATCTACCCTCCTGTGGCCGTCGCAAGATCATCCTG
 TCAGATGAGGGCAAGATGTATGGCCGGAACGAACCTATTGCCGTTACATCAAGCTGAGGACAGGGAAGA
 CGAGAACGCGAAAGCAGGTCTCCAGCCATATTCAGGTTTTGGCTCGAAGGAAATCGAGAGAAATTCAGTC
 CAAGCTGAAGGACCAAGTCTCCAAGGACAAGGCCCTCCAGACGATGGCCACCATGTCTTCGGCACAGCTC
 ATCTCCGCCCTTCCCTCCAGGCCAAGCTGGGCCCTTCTGGCCCTCAGGCCACTGAGCTTTCCAGTTCT
 GGTGAGGGAGCTCTGGCCACCATGGAATGTTCCAGACGTGAAGCCCTTCTCACAGGCACCGTTCTCCGT
 GTCAGTACGCCCCCAGCCTCTGACCTACCAGGGTACGAGCCGCCCCAGCCCTCTACCCCTGCCCCCA
 CCCGCTCCGTCTCCCCAGCCTGGCAGGCTCGGGCCCTGGGCACTGCCCGCTGCAGCTGATAGAGTTCT
 CAGCGTTTGTGGAACCGCCAGACGCAGTTGACTCGTTCAGAGGCATCTGTTTGTCCACATCAGTCAGCA
 GTGTCCCAGCCCTGGAGCACCACCCTAGAGAGTGTGGACGTGCGGCAGATCTACGACAAATTCCTGAG
 AAGAAGGGCGGCCTCCGCGAGCTGTATGACCGAGGGCCACCACATGCCTTCTTCTCGTCAAGTTCTGGG
 CGGACCTGAAGTGGGGCCCCAGTGCCGAGGAGGCAGGGAGCAGCGGAGGTGGCGGTGGCTTCTATGGAGT
 GAGCAGCCAGTATGAGAGCCGGGAGTCTGACACTCACCTGCTCCTCCAAGTCTGCTCCTTTGGCAAG
 CAAGTGGTAGAGAAGGTGGAGACGGAACGGGCCAGCTGGAGGACGGGCGCTTTGTGTACCGTCTGCTG
 GCTCTCCCATGTGTGAGTACCTGGTTAATTTCTGCACAAGCTCCGTGAGTGCCTGAACGCTACATGAT
 GAACAGTGTCTGGAGAACTTCACCATCCTCCAGGTTGTGACAAACAGGGACACTCAGGAAGTGTGCTG
 TGTACTGCCTACGTCTTTGAAGTCTCCACCAGTGAACGAGGAGCCAGTACCACATCTACCGCTGGTCA
 GGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Chromatograms:** https://cdn.origene.com/chromatograms/ja3369_f01.zip
- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001285498
- Insert Size:** 1338 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001285498.1](#), [NP_001272427.1](#)

RefSeq Size: 2157 bp

RefSeq ORF: 1338 bp

Locus ID: 21677

UniProt ID: [P48301](#)

Cytogenetics: 7 29.19 cM

Gene Summary: 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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.