

Product datasheet for MC227549

Tead2 (NM_001285500) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tead2 (NM_001285500) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tead2
Synonyms: Etdf; ETF; TEAD-2; TEF-4; TEF4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227549 representing NM_001285500
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGGGGATCCCCGACTGGGGCCCCCTGGATGATGGCGGGGGCTGGACAGGTAGCGAGGAAGGCAGCG
 AAGAGGGCACCGAGGCAGCGAGGGCGTTGGAGGTGATGGCAGCCCTGATGCAGAAGGCCGAACGAACT
 CATTGCCCGTTACATCAAGCTGAGGACAGGGAAGACGAGAACCGAAAGCAGGTCTCCAGCCATATTCAG
 GTTTTGGCTCGAAGGAAATCGAGAGAAATTCAGTCCAAGCTGAAGGACCAAGTCTCCAAGGACAAGGCCCT
 TCCAGACGATGGCCACCATGTCTTCGGCACAGCTCATCTCCGCCCTTCCCTCCAGGCCAAGCTGGGCC
 TTCTGGCCCTCAGGCCACTGAGCTTTTCCAGTTCTGGTCAGGGAGCTCTGGGCCACCATGGAATGTTCCA
 GACGTGAAGCCCTTCTCACAGGCACCGTTCTCCGTGTCAGTACGACCCCCAGCCTCTGACCTACCAGGGT
 ACGAGCCGCCCCAGCCCTCTCACCCCTGCCCCACCCGCTCCGTCTCCCCAGCCTGGCAGGCTCGGGC
 CCTGGGCACTGCCCGCTGCAGCTGATAGAGTTCTCAGCGTTTGTGGAACCGCCAGACGCAGTTGACTCG
 TTCCAGAGGCATCTGTTGTCCACATCAGTCAGCAGTGTCCAGCCCTGGAGACCACCCCTAGAGAGTG
 TGGAGTGGCGGAGATCTACGACAAATCCCTGAGAAGAAGGGCGGCCTCCGCGAGCTGTATGACCAGG
 GCCACCACATGCCCTTCTCCTCGTCAAGTCTGGGCGGACCTGAACTGGGGCCCCAGTGCCGAGGAGGCA
 GGGAGCAGCGGAGGTGGCGGTGGCTTCTATGGAGTGAGCAGCCAGTATGAGAGCCGGGAGCTCATGACAC
 TCACCTGCTCCTCAAGGTCTGCTCCTTTGGCAAGCAAGTGGTAGAGAAGGTGGAGACGGAACGGGCCCA
 GCTGGAGGACGGGCGCTTGTGTACCGTCTGCTGCGCTCTCCATGTGTGAGTACCTGGTTAATTTCTG
 CACAAGCTCCGTGAGCTGCCTGAACGCTACATGATGAACAGTGTCTGGAGAACTTACCATCCTCCAGG
 TTGTGACAAACAGGGACTCAGGAACTGCTGCTGTACTGCCTACGCTTTGAAGTCTCCACCAGTGA
 ACGAGGAGCCAGTACCACATCTACCGCTGGTCAGGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001285500
Insert Size:	1233 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:	<ol style="list-style-type: none">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_001285500.1 , NP_001272429.1
RefSeq Size:	2010 bp
RefSeq ORF:	1233 bp
Locus ID:	21677
Cytogenetics:	7 29.19 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to 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.</p>