OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC215724

Tead1 (NM_001166584) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tead1 (NM_001166584) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tead1
Synonyms:	2610024B07Rik; B230114H05Rik; Gtrgeo5; mTEF-1; Tcf13; TEAD-1; TEF-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215724 representing NM_001166584 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAAAGGATGAGCGACTCGGCAGATAAGCCGATTGACAACGACGCGGAGGGCGTCTGGAGTCCTGATA TTGAGCAGAGTTTCCAGGAGGCCCTGGCTATCTATCCGCCGTGTGGGAGGAGAAAAATCATCTTATCAGA CGAAGGCAAAATGTATGGTAGAAATGAATTGATAGCCAGATACATCAAACTCAGGACGGGAAAGACAAGG ACCAGGAAGCAGGTGTCTAGTCATATACAGGTCTTAGCAAGAAAGAAAGTTCGAGAAATTCAAGCCGCCA TTAAGGTGTCTAGTCACATTCAGGTTCTTGCCAGAAGGAAATCTCGTGATTTTCATTCCAAGCTGAAGGT AACAAGCATGGATCAGACTGCCAAGGACAAGGCCCTGCAGCACATGGCTGCCATGTCATCAGCCCAGATC GTCTCGGCTACTGCCATCCACAACAAGCTGGGGCTGCCTGGGATTCCACGCCCCACCTTCCCGGGGGGTC CGGGGTTCTGGCCTGGGATGATACAGACAGGACAGCCAGGATCCTCACAAGACGTCAAGCCCTTTGTGCA GCAGGCCTACCCCATCCAGCCAGCAGTCACAGCCCCCATTCCAGGGTTTGAGCCTACGTCAGCCCCAGCC CCCTCAGTTCCTGCCTGGCAGGGCCGATCCATTGGCACAACCAAGCTTCGCCTGGTGGAATTCTCCGCTT TCCTTGAACAGCAGAGAGACCCAGACTCGTACAACAAACACCTCTTCGTGCACATCGGGCATGCCAACCA TTCTTACAGTGACCCGTTGCTCGAATCTGTGGACATTCGTCAGATATATGACAAATTTCCTGAAAAGAAA GGTGGCTTGAAGGAGCTGTTTGGAAAGGGCCCTCAAAACGCCTTCTTCCTCGTCAAATTCTGGGCGGACT TAAACTGCAATATCCAAGACGACGCCGGGGCCTTTTATGGTGTGAGCAGTCAGTATGAGAGTTCTGAGAA CATGACAGTTACCTGTTCCACCAAAGTGTGCTCCTTTGGGAAACAAGTAGTAGAAAAAGTAGAGACGGAG TATGCGAGGTTCGAGAATGGTCGATTCGTGTACCGAATAAACCGCTCGCCAATGTGTGAATATATGATCA ACTTCATCCACAAGCTCAAACACCTACCAGAGAAATATATGATGAACAGTGTTTTGGAAAACTTCACCAT ATTATTGGTGGTAACAAACAGGGATACACAAGAAACTCTGCTCTGCATGGCCTGTGTATTTGAAGTCTCG AATAGCGAACACGGAGCACAGCACCATATCTACAGGCTTGTGAAGGACTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

Restriction Sites:	SgfI-MluI
ACCN:	NM_001166584
Insert Size:	1311 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_001166584.1, NP_001160056.1
RefSeq Size:	9962 bp
RefSeq ORF:	1311 bp
Locus ID:	21676
Cytogenetics:	7 F1
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. Binds specifically and cooperatively to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription in vivo in a cell-specific manner. The activation function appears to be mediated by a limiting cell-specific transcriptional intermediary factor (TIF). Involved in cardiac development. Binds to the M-CAT motif (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1), which results from the use of a non-AUG (AUU) translation initiation codon. 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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US