

Product datasheet for **MG221632**

Tead1 (NM_009346) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tead1 (NM_009346) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tead1
Synonyms:	2610024B07Rik; B230114H05Rik; Gtrgeo5; mTEF-1; Tcf13; TEAD-1; TEF-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221632 representing NM_009346 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGGATGAGCGACTCGGCAGATAAGCCGATTGACAACGACCGGAGGGCGTCTGGAGTCCTGATA
TTGAGCAGAGTTCCAGGAGGCCCTGGCTATCTATCCGCCGTGTGGGAGGAGAAAAATCATCTTATCAGA
CGAAGGCAAAATGTATGGTAGAAATGAATTGATAGCCAGATACATCAAACCTCAGGACGGAAAGACAAGG
ACCAGGAAGCAGGTGTCTAGTCACATTCAGGTTCTTGCCAGAAGGAAATCTCGTGATTTTCATTCCAAGC
TGAAGGTAACAAGCATGGATCAGACTGCCAAGGACAAGGCCCTGCAGCACATGGCTGCCATGTCATCAGC
CCAGATCGTCTCGCTACTGCCATCCACAACAAGCTGGGGCTGCCTGGGATTCACAGCCCCACCTTCCCCG
GGGGTCCGGGTTCTGGCCTGGGATGATACAGACAGGACAGCCAGGATCCTCACAGACGTCAAGCCCT
TTGTGCAGCAGGCCTACCCCATCCAGCCAGCAGTCACAGCCCCATTCCAGGGTTTGAGCCTACGTCAGC
CCCAGCCCCCTCAGTTCTCGCTGGCAGGGCCGATCCATTGGCACAACCAAGCTTCGCCTGGTGAATTC
TCCGCTTTCCTTGAACAGCAGAGAGACCCAGACTCGTACAACAAACACCTCTTCGTGCACATCGGCATG
CCAACCATTTACAGTGACCCGTTGCTCGAATCTGTGGACATTCGTGAGATATATGACAAATTTCTGA
AAAGAAAGGTGGCTTGAAGGAGCTGTTTGGAAAGGGCCCTCAAACGCCCTTCTTCTCGTCAAATTTCTGG
GCGGACTTAAACTGCAATATCCAAGACGACCGCCGGGCCCTTTTATGGTGTGAGCAGTCAGTATGAGAGTT
CTGAGAACATGACAGTTACCTGTTCCACCAAAGTGTGCTCCTTTGGGAAACAAGTAGTAAAAAGTAGA
GACGGAGTATGCGAGGTTGAGAAATGGTCGATTCTGTACCGAATAAACCGCTCGCAATGTGTGAATAT
ATGATCAACTTATCCACAAGCTCAAACACCTACCAGAGAAATATATGATGAACAGTGTGTTGGAAAAC
TCACCATATTGTTGGTAAACAAACAGGGATACACAAGAACTCTGCTCTGCATGGCCTGTGATTTTGA
AGTCTCGAATAGCGAACCGGAGCACAGCACCATATCTACAGGCTTGTGAAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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ORF Size:	1245 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_009346.3 , NP_033372.1
RefSeq Size:	9899 bp
RefSeq ORF:	1248 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]