

Product datasheet for MR206462

Tead1 (NM_001166585) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tead1 (NM_001166585) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tead1
Synonyms:	2610024B07Rik; B230114H05Rik; Gtrgeo5; mTEF-1; Tcf13; TEAD-1; TEF-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206462 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGGATGAGCGACTCGGCAGATAAGCCGATTGACAACGACGCGGAGGGCGTCTGGAGTCTGATA
TTGAGCAGAGTTCCAGGAGGCCCTGGCTATCTATCCGCCGTGTGGGAGGAGAAAAATCATCTTATCAGA
CGAAGGCCAAAATGTATGGTAGAAATGAATTGATAGCCAGATACATCAAACCTCAGGACGGAAAGACAAGG
ACCAGGAAGCAGGTGTCTAGTCACATTCAGGTTCTTGCCAGAAGGAAATCTCGTGATTTTCATTCCAAGC
TGAAGGATCAGACTGCCAAGGACAAGGCCCTGCAGCACATGGCTGCCATGTCATCAGCCCAGATCGTCTC
GGCTACTGCCATCCACAACAAGCTGGGGCTGCCTGGGATTCCACGCCCCACCTTCCCGGGGGTCCGGGG
TTCTGGCCTGGGATGATACAGACAGGACAGCCAGGATCCTCACAAGACGTCAAGCCCTTTGTGCAGCAGG
CCTACCCCATCCAGCCAGCAGTACAGCCCCATTCCAGGGTTTGTAGCCTACGTACAGCCCAGCCCCCTC
AGTTCTCGCTGGCAGGGCCGATCCATTGGCACAAACAGCTTCGCCTGGTGGAAATTCCTCCGCTTTCCTT
GAACAGCAGAGAGACCCAGACTCGTACAACAACACCTCTTCGTGCACATCGGCCATGCCAACCATTTCTT
ACAGTGACCCGTTGCTCGAATCTGTGGACATTCGTCAGATATATGACAAATTTCTGAAAAGAAAGGTGG
CTTGAAGGAGCTGTTTGGAAAGGGCCCTCAAACGCCTTCTTCTCGTCAAATTCGGGCGGACTTAAAC
TGCAATATCCAAGACGACGCGGGCCCTTTTATGGTGTGAGCAGTCAGTATGAGAGTTCTGAGAACATGA
CAGTTACCTGTTCCACCAAAGTGTCTCCTTTGGGAAACAAGTAGTAGAAAAAGTAGAGACGGAGTATGC
GAGGTTTCGAGAATGGTTCGATTCTGTACCGAATAAACCGCTCGCCAATGTGTGAATATATGATCAACTTC
ATCCACAAGCTCAAACACCTACCAGAGAAATATATGATGAACAGTGTTTTGGAAAACCTCACCATATTAT
TGGTGGTAACAACAGGGATACACAAGAACTCTGCTCTGCATGGCCTGTGTATTTGAAGTCTCGAATAG
CGAACACGGAGCACAGCACCATATCTACAGGCTTGTGAAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001166585.1, NP_001160057.1

RefSeq Size: 9480 bp

RefSeq ORF: 1236 bp

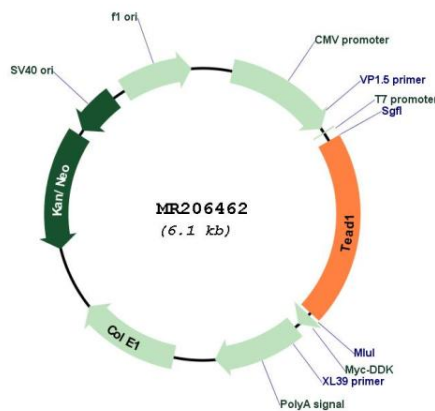
Locus ID: 21676

Cytogenetics: 7 F1

MW: 46.4 kDa

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]

Product images:



Circular map for MR206462