

## Product datasheet for RR216611

### Tead1 (NM\_001198589) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tead1 (NM_001198589) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tead1
Synonyms:	TEF-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR216611 representing NM_001198589 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAGGATGAGTGACTCGGCAGACAAGCCGATTGACAACGACGCAGAGGGGGTCTGGAGTCCGGACA  
TTGAGCAGAGTTCCAGGAGGCCCTGGCTATCTATCCGCCCTGTGGGAGGAGGAAATCATCTTATCAGA  
CGAAGGCAAAATGTATGGTAGAAATGAATTGATAGCCAGATACATCAAAGTGGGACGGGAAAGACAAGG  
ACTAGGAAGCAGGTGTCTAGTCACATTCAGGTTCTTGCCAGAAGGAAATCTCGTGATTTTCATTCCAAGC  
TAAAGGTAACAAGCATGGATCAGACTGCCAAGGACAAGGCCCTGCAGCACATGGCTGCCATGTCATCAGC  
CCAGATCGTCTCAGCTACCGCCATCCACAACAAGCTGGGACTGCCTGGGATCCCCGCCCCACCTTCCCA  
GGGGGCCCGGGTCTGGCCTGGGATGATACAGACAGGACAGCCAGGATCCTCACAGACGTCAGCCCT  
TTGTGCAGCAGGCCTACCCCATCCAGCCAGCAGTCACAGCCCCATTCCAGGGTTTGAGCCTGCATCAGC  
CCCAGCTCCCTCAGTTCCCTGCCTGGCAGGGCCGATCCATTGGCACAACCAAGCTTCGCCTGGTGAATTC  
TCAGCTTTCCTTGAGCAGCAGAGAGACCCAGACTCGTACAACAAACACCTCTTCGTGCACATCGGCATG  
CCAACCATTCTTACAGCGACCCGTTGCTCGAATCCGTGGACATTCGTGAGATATGACAAAATTTCTGA  
AAAGAAAGGTGGCTTGAAGAAGTGTGGAAAGGGCCCTCAAACGCCTTCTTCCTTGCAAATTTCTGG  
GCGGACTTAAACTGCAATATCCAAGATGACGCCGGGCCCTTTTATGGTGTGAGCAGTCAATACGAGAGTT  
CTGAAAACATGACAGTTACCTGTTCCACCAAAGTGTGCTCCTTTGGGAAACAAGTAGTAGAAAAAGTAGA  
GACGGAGTATGCGAGGTTGAGAATGGCCGATTGCTGTACCGAATAAACCGCTCACCAATGTGTGAATAT  
ATGATCAACTTATCCACAAGCTTAAACACCTACCAGAGAAATATATGATGAACAGCGTTTTGGAAAAC  
TCACCATTTTATGGTGGTAACAACAGGGATACACAAGAGACTCTGCTCTGCATGGCCTGTGTGTTTGA  
AGTATCGAATAGTGAGCATGGAGCACAGCATCACATCTACAGGCTTGTAAGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR216611 representing NM\_001198589  
 Red=Cloning site Green=Tags(s)

MERMSDSADKPIDNDAEGVWSPDIEQSFQEALAIYPPCGRRKIILSDEGKMYGRNELIARYIKLRTGKTR  
 TRKQVSSHIQVLARRKSRDFHSLKLVTSMDQAKDKALQHMAAMSSAQIVSATAIHNKLGIPRPTFP  
 GPGFPGMIQTGQPGSSQDVKPFVQQAYPEIQAAPTAPIPGFEPASAPAPSVPAWQGRSIGTTKLRVLF  
 SAFLEQQRDPDSYNKHLFVHIGHANHSYSDPLLESVDIRQIYDKFPEKKGGLKELFGKGPQNAFFLVKFW  
 ADLNCNIQDDAGAFYGVSSQYESSNMTVTCSTKVCSFGKQVVEKVEYARFENGRFVYRINRSPMCEY  
 MNIIFIHLKHLPEKYMNSVLENFTILLVVTNRDTQETLLCMACVFEVSNSEHGAQHIIYRLVKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001198589

**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:**

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\_001198589.1, NP\_001185518.1

**RefSeq Size:** 1563 bp

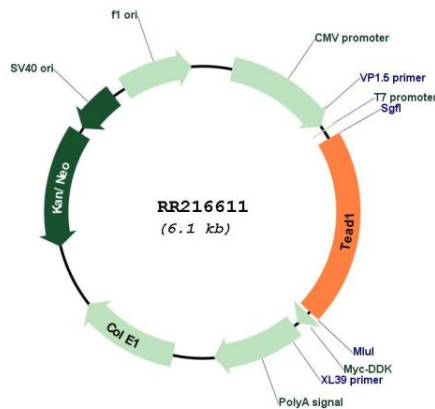
**RefSeq ORF:** 1248 bp

**Locus ID:** 361630

**Cytogenetics:** 1q33

**MW:** 46.8 kDa

**Product images:**



Circular map for RR216611