

Product datasheet for **RR206584**

Trim25 (NM_001009536) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim25 (NM_001009536) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim25
Synonyms:	Efp; Znf147
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR206584 representing NM_001009536
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGAGCTGTTTCCTCTGGCCGAGGAGCTGTCGTGCTCCATCTGCCTGGAGCCCTTCAAGGAGCCCG
TCACCACCCCGTGCAGCCACAATTTCTGCAGGTCATGCCTAAATGAGACGTGGGTCTCCAGGGCCCGCC
GTACCGGTGCCCGCAGTGTGCGACCGTGTACCAGGTGCGCCCGCAGCTGCACAAGAACACGGTGCTGTGC
GCAGTGGTCGAGCAGTTTCTTCAGGCCGAGCAGGCGCGGACCCCGTGGACGACTGGATCCCGCCTACCC
GCTCCGCCGATCCAGCTCAGACACCCAGGTGTCTGCGACCACTGCCTGAAGGAGGTGCGGGTGAAGAC
GTGCTCGTGTGCATGGCTCTTTCTGCCAGGAGCACTTGCAGCCCTCACATCGACAGTCCGGCTTCCAG
GACCACCCCTGCAGCCACCCGTCGTCGCTGTCGCGCCGAAATGTTCCAGGCACAACCGCTTCCGG
AAATGTTTTGCTGAGCAGGAGAGTGCATCTGCCATATCTGCCTGGTAGAGCACAAGACCTGCTCCCC
TACGATCCTAAGCCAGGCCAGCGCCGACCTGGAGAACAACCTGAGCAAAAACCTACCATCATGTACAGC
CACATCAATGGAGCGAGCAAAGCACTGGAGGATGTGAAATCCAAGCAGCAGAATGTGCAGGAGTCTATGA
AGAGGAAGATGCTACAGCTGAGACAGGAATATTTGAAATGAAGGCTGTCATCGATGCCGACAGAGACCAG
CTCCACGCACAAGTTGAAGGAGGAGGAGAAGAGAGTCTATGAAAAGCTCGATACCATCTACCAGGTTCTT
CTCAAGAAGAAGAACGAGATGCAGAATCTGAAGGCAGAGGTTGAGCTCATCCTGGCCAAAGGGGACGAGT
TTGAGTTTCTGGAGAAAGCTGCAAAATTCAGGAAGTGTCAACGAAACCAGTCTACATCCCTAAGATAGA
CCTGGACCATGATTTGATAAAGGGGGTCTACCAGGTGCATTGGACCTCAAGAGTGAGCTGAAGCTCTCC
CTCAAGCAGCTACAGGAAAAGAAGGCTGAGGAGCCCTGCAACTCAGGTAACGTGGGAGACCATGCGCAGT
CCACATCCAACCCACACGCCCTGCGAAGAAGACCCGACCGGACAAGAAGACCAAGAAAACCCCTGGTGC
TGCGGGTGCTGCCGGTGCTGCCGGTGCTGCTGGTGTGCTGCCGGTCTACCTCCTACTCTTCCTCATCTAAC
AAGTTGCCACCTTTGGAGCTCCTGGACAAGCAACTATCCCTGATGCCACACTCAAACCAATGCTCCAC
AACCAAATCGGCAGCCGTCAAGGCTAAGGTGTTAGAAAATTCTTAACCATGTCCAGAACAGAGTTCTT
GGAATATTTGTTAAAGTCGTCTTCGACTACAATACCGCCACAACAAGTGGCTCTGGCAGACAACTAC
ACCACCGCTTCCGTGGCCGACGGGCTGCAGCACTACCGGTCCCATCCCCAGAGGTTACCTACTGCTCTC
AGGTCCTGGGGCTGCACTGCTATAAGAAAGGCATCCACTACTGGGAGGTGGAGCTGCAGAAGAACAATT
CTGTGGTGTAGGCGTCTGCTATGGCAGCATGGATCGGCAGGGCCCGAGAGCCGGCTGGGCCGTAACCC
AGCTCATGGTGTGTGGAGTGGTTCAATAACAAGATCTCCGCTGGCACAACAACATGGAGAAAACGCTGC
CCTCCACCAAGGCCACGGAGTCGGCGTCTACTCAACTGTGACCATGGCTTTGTCAATTTCTTTGCTGT
CACCGAAAAGGTGATCTGATGTACAAGTTCAAGGTGGACTTTACTGAAGCTCTGTACCCAGCCTTTTGG
GTGTTCTCTGCGGGTACCACCCTCTATCTGCTCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206584 representing NM_001009536
 Red=Cloning site Green=Tags(s)

MAELFPLAEELSCSICLEPFKEPVTTPCGHNFCRSLNETWVVQPPYRCPQCRTVYQVRPQLHKNTVLC
 AVVEQFLQAEQARTPVDDWIPTRSAASSSDTQVSCDHCLKEVAVKTCLVCMASFQEHLRPHIDSPAFQ
 DHPLQPPVRDLLRRKCSRHNRLREMFCEHGECICHICLVEHKTCPTILSQASADLENKLRQKLTIMYS
 HINGASKALEDVKSKQQNVQESMKRKMQLRQEYLEMKAVIDAETSSTHKLKEEEKRVYGLDITIYQVL
 LKKKNEMQNLKAEVELILAKGDEFEFLEKAAKLQEVSTKPVYIPKIDLDHDLIKGVYQGALDLKSELKLS
 LKQLQEKKAEPCNSGNVGDHAQSTSKPTRPAKKTAPDKTKKTPGAAGAAGAAGAAGPTSYSSSSN
 KLPTFGAPQATIPDATLKPNAQPNSAAVKAVLENFLTMSRTELLEYFVKVVDYNTAHNKVALADNY
 TTASVADGLQHYRSHQPQRFYCSQVLGLHCYKKGIIHYWEVELQKNNFCGVGVCYGSMDRQGPESRLGRNP
 SSWCVWEVFNKISAWHNNMEKTL PSTKATRVGVLNCDHGFVIFFAVTEKVYLMYKFKVDFTEALYPAFW
 VFSAGTTL SICK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

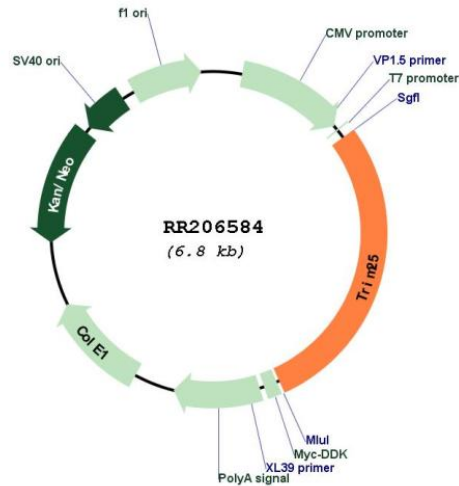
Restriction Sites:

SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001009536

ORF Size: 1929 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_001009536.1](#), [NP_001009536.1](#)

RefSeq Size: 2447 bp
RefSeq ORF: 1932 bp
Locus ID: 494338
Cytogenetics: 10q26
MW: 72 kDa
Gene Summary: may play a role in osteoblast differentiation [RGD, Feb 2006]