

Product datasheet for **MR231121**

Tle4 (NM_001302951) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle4 (NM_001302951) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tle4
Synonyms:	5730411M05Rik; AA792082; Bce-1; Bce1; ESTM13; ESTM14; grg-4; Grg4; X83332; X83333
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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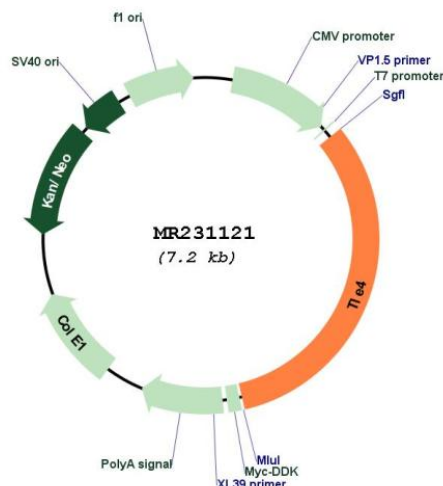
ORF Nucleotide Sequence:

>MR231121 representing NM_001302951
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGGCTGCCTCCGACGGCCACTTTCGATTCCGGGCACCGCATCAGCCTGCTCAACCTTCAAAT
 TTACAATTTCAGAATCCTGTGATCGGATTAAGGAAGAGTTTCAGTTTTTACAGGCTCAATACCACAGTCT
 GAAGCTGGAATGTGAGAAGCTCGCCAGCGAGAAGACAGAGATGCAGCGGCATTATGTCATGTATTATGAA
 ATGTCCTATGGGTTGAACATAGAAATGCACAAGCAGGCAGAGATTGTTAAACGACTAAATGCTATCTGTG
 CACAGGTCATTCTTTCTGTCCCAAGAGCACCAGCAACAAGTGGTGCAGGCTGTGGAACGGGCCAAGCA
 GGTGACCATGGCAGAAGTGAACGCCATCATTGGGCAGCAACAACCTCAAGCTCAGCATTTATCACATGGA
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 GCAGTGCAGGACTTCTGGCCCTCTCAGTGCAGTGGAGGTCAGTCTCACCTCCCAATTAAGGATGAGAA
 GAAGCACCATGACAATGATCACCAAGAGACAGAGACTCCATCAAGAGCTTTCGGTATCCCATCAGCC
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 CTGGCAGCTCCAACCTCCACGCATCAAGGCAGAGCTGACATCCTCAGCCCCCTGCCTGCTATGCTCTGGCCA
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 CCAGACTCTGGTGAAGCAATTCAGGGGCACACAGATGGAGCCAGCTGTATTGACATTTCTAATGATGGC
 ACCAAGCTCTGGACAGGTGGTTTGGACAACACTGTGAGGTCTGGGACCTGCGTGAAGGGCGGCAGCTGC
 AGCAACATGACTTCACCTCTCAGATCTTTTCATTGGGCTATTGCCCAACTGGAGAGTGGCTTGCAGTGGG
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 AGCTGTGTGCTGTCACTCAAGTTTGGCCACTGTGGCAAATGGTTTGTAAAGCACTGGAAAGGACAACCTTC
 TGAATGCTTGGAGGACGCTTATGGGGCCAGCATATTCCAGTCCAAGAATCCTCATCGGTGCTTAGCTG
 TGACATCTGTGGATGACAAGTACATTGCTCACTGGCTCTGGGACAAGAAAGCTACGGTTTATGAAGTT
 ATTTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Plasmid Map:


ACCN: NM_001302951

ORF Size: 2316 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_001302951.1](#), [NP_001289880.1](#)

RefSeq Size: 4067 bp

RefSeq ORF: 2319 bp

Locus ID: 21888

Cytogenetics: 19 9.11 cM

MW: 84.1 kDa

Gene Summary:

Transcriptional corepressor that binds to a number of transcription factors. Inhibits the transcriptional activation mediated by PAX5, and by CTNNB1 and TCF family members in Wnt signaling. The effects of full-length TLE family members may be modulated by association with dominant-negative AES. Essential for the transcriptional repressor activity of SIX3 during retina and lens development and for SIX3 transcriptional auto-repression.[UniProtKB/Swiss-Prot Function]