

Product datasheet for **MC228847**

Tle4 (NM_001302950) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle4 (NM_001302950) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC228847 representing NM_001302950
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTCGGACCTGAGCAAGATGTACCCGACGACCGCCACCCGGCACCGCATCAGCCTGCTCAACCCCT
 TCAAAATTTACAATTTTCAAGATCCTGTGATCGGATTAAGGAAGAGTTTCAGTTTTTACAGGCTCAATACCA
 CAGTCTGAAGCTGGAATGTGAGAAGCTCCGCAGCGAGAAGACAGAGATGCAGCGCATTATGTCATGAT
 TATGAAATGTCCTATGGGTTGAACATAGAAATGCACAAGCAGGCAGAGATTGTTAAACGACTAAATGCTA
 TCTGTGCACAGGTCATTCTTTCTGTCCCAAGAGCAGCAAACTCCAAGCTCAGCATTATCACATGG
 ACATGGTCTGCCTGTGCCTCTGACACCACACCCTTCAGGGCTTCAGCCCCAGCCATCCCACCTATCGGT
 AGCAGTGCAGGACTTCTGGCCCTCTCCAGTGCCTAGGAGGTGAGTCTCACCTCCCAATTAAGGATGAGA
 AGAAGCACCATGACAATGATACCAAAGAGACAGAGACTCCATCAAGAGCTTCCCGTATCCCCATCAGC
 CAGTTTTCCGGGTTCTGAGAAACATAGGAACTCTACAGACTATTCCTCAGAGAGCAAAAAGCAGAAAACA
 GAAGAAAAAGAAATTGCAGCTCGCTATGACAGTGTGGTGAAGAGTGTGACAACCTGGTAGTTGATG
 TGTCCAATGAGGATCCATCTTCCCCCGAGGAAGCCAGCACATTCCTCAAGGGAGAATGGCCTGGACAA
 GACACGACTCCTCAAGAAAGATGCCCCATCAGCCCCGCTTCTGTTGCATCTTCCAGCAGTACTCCTTCC
 TCCAAATCCAAAGAGCTTAGCCTTAATGAAAAGTCTACTACTCCTGTTTCAAAGTCCAATACCCCTACTC
 CACGAAGTGTGCACCTACCCCTGGCAGTAATTCTACTCCTGGACTGAGGCTGTACCTGGAAAGCCACC
 AGGTGTGGACCCCTTAGCATCAAGCCTGAGGACCCCGATGGCTGTACCTGTCCATATCCAACCCCTTT
 GGGATCGTGCCCATGCTGGGATGAACGGAGAGCTGACCAGCCCCGGAGCCGCTATGCTGGGCTACACA
 ACATCTCCCCCAGATGAGTGCAGCTGCTGCTGCAGCTGCGGCAGCAGCAGCCTATGGAAGATCACCTGT
 GGTGGGATTTGATCCACACCATCACATGCGAGTGCCAGCAATACCTCCAATCTAACAGGATTCCAGGA
 GGAAAACCAGCATACTCCTTTCACGTGAGTCCGATGGCCAGATGCAGCCTGTCCCTTCCCCCCTGATG
 CCCTCATTGGACCAGGGATCCCCGACACGCTCGACAGATCAACACCCTCAACCATGGGGAGGTGGTGTG
 TGCAGTGACCATCAGCAACCCCAAGGCACGTGTACACAGGTGGCAAGGGCTGTGTTAAGGTCTGGGAC
 ATCAGCCACCCTGGCAACAAGAGCCAGTCTCTCAGCTGGACTGTCTGAACAGGGATAACTACATCCGTT
 CCTGCAGATTGCTCCCTGATGGTGCACCTAATTGTTGGAGGGGAAGCCAGCACACTGTCCATCTGGGA
 CCTGGCAGCTCCAACCTCACGCATCAAGGCAGAGCTGACATCCTCAGCCCCTGCCTGCTATGCTCTGGCC
 ATCAGCCCCGACTCCAAGGTCTGCTTCTCATGCTGCAGCGACGGTAACATCGCAGTGTGGGATCTGCACA
 ACCAGACTCTGGTGAGGCAATCCAGGGGCACACAGATGGAGCCAGCTGTATTGACATTTCTAATGATGG
 CACCAAGCTCTGGACAGGTGGTTTGGACAACACTGTGAGGTCTGGGACCTGCGTGAAGGGCGGCAGCTG
 CAGCAACATGACTTCACCTCTCAGATCTTTTTCATTGGGCTATTGCCCACTGGAGAGTGGCTTGCAGTGG
 GGATGGAGAATAGCAATGTGGAAGTATTGCATGTACCAAACCAGACAAAATACCAGTTGCATCTTCATGA
 GAGCTGTGTGCTGCTCAAGTTTGGCCACTGTGGCAAATGGTTTGAAGCACTGGAAAGGACAACCTT
 CTGAATGCTTGGAGGACGCTTATGGGGCCAGCATATCCAGTCCAAAGAATCCTCATCGGTGCTTAGCT
 GTGACATCTGTGGATGACAAGTACATTGTACTGGCTCTGGGGACAAGAAAGCTACGGTTTATGAAGT
 TATTTAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302950
Insert Size: 2250 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001302950.1, NP_001289879.1</u>
RefSeq Size:	4683 bp
RefSeq ORF:	2250 bp
Locus ID:	21888
Cytogenetics:	19 9.11 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.</p>