

Product datasheet for **MC228910**

Tle4 (NM_001302951) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle4 (NM_001302951) 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: >MC228910 representing NM_001302951
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGGCTGCCTCCGACGGGCCACTTTCGATTCCGGGCACCGCATCAGCCTGCTCAACCTTCAAAT
 TTACAATTTCAGAATCCTGTGATCGGATTAAGGAAGAGTTTCAGTTTTTACAGGCTCAATACCACAGTCT
 GAAGCTGGAATGTGAGAAGCTCGCCAGCGAGAAGACAGAGATGCAGCGGCATTATGTCATGTATTATGAA
 ATGTCCTATGGTTGAACATAGAAATGCACAAGCAGGCAGAGATTGTTAAACGACTAAATGCTATCTGTG
 CACAGGTCATTCTTTCTGTCCCAAGAGCACCAGCAACAAGTGGTGCAGGCTGTGGAACGGGCCAAGCA
 GGTGACCATGGCAGAAGTGAACGCCATCATTGGGCAGCAACAACCTCAAGCTCAGCATTTATCACATGGA
 CATGGTCTGCCTGTGCCTCTGACACCACACCTTCAGGGCTTCAGCCCCAGCCATCCCACATATCGGTA
 GCAGTGCAGGACTTCTGGCCCTCTCAGTGCAGTGGAGGTGAGTCTCACCTCCCAATTAAGGATGAGAA
 GAAGCACCATGACAATGATCACCAAGAGACAGAGACTCCATCAAGAGCTTTCGGTATCCCATCAGCC
 AGTTTCCGGGTTCTGAGAAACATAGGAACTCTACAGACTATTCCCTCAGAGAGCAAAAAGCAGAAAACAG
 AAGAAAAAGAAATTCAGCTCGCTATGACAGTGTGGTGAGAAGAGTGTGACAACCTGGTGTGTGTGT
 GTCCAATGAGGATCCATCTTCCCCCGAGGAAGCCAGCACATTCCTCAAGGGAGAATGGCTGGACAAG
 ACACGACTCCTCAAGAAAGATGCCCCATCAGCCCCGCTTCTGTTGCATCTCCAGCAGTACTCCTTCT
 CCAATCCAAAGAGCTTAGCCTTAATGAAAAGTCTACTACTCCTGTTTCAAAGTCCAATACCCCTACTCC
 ACGAAGTATGCACCTACCCCTGGCAGTAATTCTACTCCTGGACTGAGGCCTGTACCTGGAAAGCCACCA
 GGTGTGGACCCCTTAGCATCAAGCCTGAGGACCCGATGGTGTACCTTGTCCATATCCAACCCCTTTG
 GGATCGTCCCCCATGCTGGGATGAACGGAGAGCTGACCAGCCCCGGAGCCGCCTATGCTGGGTACACAA
 CATCTCCCCCAGATGAGTGCAGCTGCTGCTGCAGCTGCGGCAGCAGCAGCCTATGGAAGATCACCTGTG
 GTGGGATTTGATCCACACCATCACATGCGAGTGCAGCAATACCTCCAATCTAACAGGCATTCCAGGAG
 GAAAACCAGCATACTCCTTTCACGTGAGTGCAGTGGCCAGATGCAGCCTGTCCCTTCCCCCTGATGC
 CCTCATTGGACCAGGGATCCCCGACACGCTCGACAGATCAACACCCTCAACCATGGGGAGGTGGTGTGT
 GCAGTGCACATCAGCAACCCACAAGGCACGTGTACACAGGTGGCAAGGGCTGTGTTAAGGTCTGGGACA
 TCAGCCACCCTGGCAACAAGAGCCAGTCTCTCAGCTGGACTGTCTGAACAGGGATAACTACATCCGTTT
 CTGCAGATTGCTCCCTGATGGTGCACCTAATTGTTGGAGGGGAAGCCAGCACACTGTCCATCTGGGAC
 CTGGCAGCTCCAACCTCCACGCATCAAGGCAGAGCTGACATCCTCAGCCCCCTGCCTGCTATGCTCTGGCCA
 TCAGCCCCGACTCCAAGGTCTGCTTCTCATGCTGCAGCGACGGTAACATCGCAGTGTGGGATCTGCACAA
 CCAGACTCTGGTGAAGCAATTCCAGGGGCACACAGATGGAGCCAGCTGTATTGACATTTCTAATGATGGC
 ACCAAGCTCTGGACAGGTGGTTTGGACAACACTGTGAGGTCTGGGACCTGCGTGAAGGGCGGCAGCTGC
 AGCAACATGACTTCACCTCTCAGATCTTTTCATTGGGCTATTGCCCAACTGGAGAGTGGCTTGCAGTGGG
 GATGGAGAATAGCAATGTGGAAGTATTGCATGTCACCAACCAGACAAAATACCAGTTGCATCTTCATGAG
 AGCTGTGTGCTGTCACTCAAGTTTGGCCACTGTGGCAAATGGTTTGTAAAGCACTGGAAAGGACAACCTTC
 TGAATGCTTGGAGGACGCCTTATGGGGCCAGCATATTCCAGTCCAAGAATCCTCATCGGTGCTTAGCTG
 TGACATCTGTGGATGACAAGTACATTGCTCACTGGCTCTGGGACAAGAAGCTACGGTTTATGAAGTT
 ATTTAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001302951
Insert Size: 2319 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_001302951.1, NP_001289880.1</u>
RefSeq Size:	4067 bp
RefSeq ORF:	2319 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 (4) uses an alternate 5'-terminal exon, which results in a distinct 5' UTR and use of an alternate start codon, compared to variant 1. The encoded protein (isoform 4) is shorter and has a distinct N-terminus compared to isoform 1.</p>