

Product datasheet for **MC228913**

Tle4 (NM_001302947) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle4 (NM_001302947) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tle4
Synonyms:	5730411M05Rik; AA792082; Bce-1; Bce1; ESTM13; ESTM14; grg-4; Grg4; X83332; X83333
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228913 representing NM_001302947
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATTTCGCGACCTGAGCAAGATGTACCCGACGACGCCACCCGGCACCGCATCAGCCTGCTCAACCC
 TCAAATTTACAATTTAGAAATCCTGTGATCGGATTAAGGAAGAGTTTCAGTTTTTACAGGCTCAATACCA
 CAGTCTGAAGCTGGAATGTGAGAAGCTCGCCAGCGAGAAGACAGAGATGCAGCGCATTATGTCATGTAT
 TATGAAATGTCCTATGGGTTGAACATAGAAATGCACAAGCAGGCAGAGATTGTTAAACGACTAAATGCTA
 TCTGTGCACAGGTCATTCTTTCTGTCCCAAGAGCACCAGCAACAAGTGGTGCAGGCTGTGGAACGGGC
 CAAGCAGGTGACCATGGCAGAAGTGAACGCCATCATTGGGCAGCAACAACCTCAAGCTCAGCATTATCA
 CATGGACATGGTCTGCCTGTGCCTCTGACACCACACCCCTCAGGGCTTCAGCCCCAGCCATCCCACCTA
 TCGGTAGCAGTGCAGGACTTCTGGCCCTCTCCAGTGCAGTGGAGGTCAGTCTCACCTCCCAATTAAGGA
 TGAGAAGAAGCACCATGACAATGATCACAAAGAGACAGAGACTCCATCAAGAGCTTTCGGTATCCCCA
 TCAGCCAGTTTCCGGGGTCTGAGAAACATAGGAACTCTACAGACTATTCTCAGAGAGCAAAAAGCAGA
 AAACAGAAAGAAAAGAAATTGCAGCTCGTATGACAGTGTGGTGAAGAGTGTGACAACCTGGTAGT
 TGATGTGTCCAATGAGGATCCATCTTCCCCCGAGGAAGCCAGCACATTCACCAAGGGAGAATGGCCTG
 GACAAGACACGACTCCTCAAGAAAGATGCCCCATCAGCCCCGCTTCTGTTGCATCTTCCAGCAGTACTC
 CTCTCCAAATCCAAGAGCTTAGCCTTAATGAAAAGTCTACTACTCTGTTTCAAAGTCCAATACCCC
 TACTCCACGAAGTGCACCTACCCCTGGCAGTAATTCTACTCTGGACTGAGGCTGTACCTGGAAAG
 CCACCAGGTGTGGACCCCTTAGCATCAAGCCTGAGGACCCGATGGCTGTACCTGTCCATATCCAACCC
 CCTTTGGGATCGTGCATGCTGGGATGAACGGAGAGCTGACCAGCCCCGGAGCCGCTATGCTGGGCT
 ACACAACATCTCCCCCAGATGAGTGCAGCTGCTGCTGCAGCTGCGGCAGCAGCAGCCTATGGAAGATCA
 CCTGTGGTGGGATTTGATCCACACCATCATGCGAGTGCAGCAATACCTCCAATCTAACAGGATTC
 CAGGAGGAAAACCAGCATACTCTTTACAGTCACTGCGGATGGCCAGATGCAGCCTGTCCCTTCCCCC
 TGATGCCCTCATTGGACCAGGATCCCCGACACGCTCGACAGATCAACACCCCTCAACCATGGGAGGTG
 GTGTGTGAGTGCACATCAGCAACCCACAAGGCACGTGTACACAGGTGGCAAGGGCTGTGTTAAGGTCT
 GGGACATCAGCCACCCTGGCAACAAGAGCCAGTCTCTCAGCTGGACTGTCTGAACAGGGATAACTACAT
 CCGTTCCTGCAGATTGCTCCCTGATGGTGCACCTTAATTGTTGGAGGGGAAGCCAGCACACTGTCCATC
 TGGGACCTGGCAGCTCCAACCTCACGCATCAAGGCAGAGCTGACATCCTCAGCCCTGCCTGCTATGCTC
 TGCCATCAGCCCGACTCCAAGTCTGCTTCTCATGCTGCAGCGACGGTAACATCGCAGTGTGGGATCT
 GCACAACCAGACTCTGGTGAAGCAATTCAGGGGCACACAGATGGAGCCAGCTGTATTGACATTTCTAAT
 GATGGCACAAGCTCTGGACAGGTGGTTTGGACAACACTGTGAGGTCTGGGACCTGCGTGAAGGGCGGC
 AGCTGCAGCAACATGACTTCACCTCTCAGATCTTTTCAATTGGGCTATTGCCCAACTGGAGAGTGGCTTG
 AGTGGGGATGGAGAATAGCAATGTGGAAGTATTGCATGTACCAAACCAGACAAATACCAGTTGCATCTT
 CATGAGAGCTGTGTGCTGCTCAAGTTTGGCCACTGTGGCAATGGTTTGAAGCACTGGAAAGGACA
 ACCTTCTGAATGCTTGGAGGACGCTTATGGGGCCAGCATATTCAGTCCAAGAATCCTCATCGGTGCT
 TAGCTGTGACATCTCTGTGGATGACAAGTACATTGTCACTGGCTCTGGGACAAGAAAGCTACGGTTTAT
 GAAGTTATTTAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001302947
Insert Size: 2325 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001302947.1</u> , <u>NP_001289876.1</u>
RefSeq Size:	4758 bp
RefSeq ORF:	2325 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 (1) represents the longest transcript and encodes the longest isoform (1).</p>