

## Product datasheet for **MC221489**

### **Tle4 (NM\_011600) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tle4 (NM_011600) 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:** >MC221489 representing NM\_011600  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATTTCGCGACCTGAGCAAGATGTACCCGACGACGCCACCCGGCACCGCATCAGCCTGCTCAACCCCT  
 TCAAATTTACAATTTAGAAATCCTGTGATCGGATTAAGGAAGAGTTTCAGTTTTTACAGGCTCAATACCA  
 CAGTCTGAAGCTGGAATGTGAGAAGCTCGCCAGCGAGAAGACAGAGATGCAGCGCATTATGTCATGTAT  
 TATGAAATGTCCTATGGGTTGAACATAGAAATGCACAAGCAGGCAGAGATTGTTAAACGACTAAATGCTA  
 TCTGTGCACAGGTCATTCTTTCTGTCCCAAGAGCACCAGCAACAAGTGGTGCAGGCTGTGGAACGGGC  
 CAAGCAGGTGACCATGGCAGAACTGAACGCCATCATTGGGCAACAACCTCAAGCTCAGCATTATACAT  
 GGACATGGTCTGCCTGTGCCTCTGACACCACACCCTTCAGGGCTTCAGCCCCAGCCATCCACCTATCG  
 GTAGCAGTGCAGGACTTCTGGCCCTCTCCAGTGCAGTGGAGGTCAGTCTCACCTCCCAATTAAGGATGA  
 GAAGAAGCACCATGACAATGATCACAAAGAGACAGAGACTCCATCAAGAGCTCTCCGATATCCCATCA  
 GCCAGTTTCCGGGTTCTGAGAAACATAGGAACCTACAGACTATTCTCAGAGAGCAAAAAGCAGAAAA  
 CAGAAGAAAAAGAAATTGCAGCTCGCTATGACAGTGTGGTGAAGAGTGTGACAACCTGGTAGTTGA  
 TGTGTCCAATGAGGATCCATCTTCCCCCGAGGAAGCCAGCACATTCCTCAAGGGAGAATGGCCTGGAC  
 AAGACAGGACTCCTCAAGAAAGATGCCCCATCAGCCCCGCTTCTGTTGCATCTTCCAGCAGTACTCCTT  
 CCTCCAAATCAAAGAGCTTAGCCTTAATGAAAAGTCTACTACTCTGTTCAAAGTCCAATACCCCTAC  
 TCCACGAACTGATGCACCTACCCCTGGCAGTAATTCTACTCTGGACTGAGGCCTGTACCTGGAAAGCCA  
 CCAGGTGTGGACCCCTTAGCATCAAGCCTGAGGACCCCGATGGCTGTACCTTGTCCATATCCAACCCCT  
 TTGGGATCGTCCCCATGCTGGGATGAACGGAGAGCTGACCAGCCCCGGAGCCCTATGCTGGGTACA  
 CAACATCTCCCCCAGATGAGTGCAGCTGCTGCTGCAGCTGCGGCAGCAGCAGCCTATGGAAGATCACT  
 GTGGTGGGATTTGATCCACACCATCACATGCGAGTGCCAGCAATACCTCCAAATCTAACAGGCATTCAG  
 GAGAAAACCAGCATACTCCTTTACGTCAGTGGCGATGGCCAGATGCAGCCTGTCCCTTCCCCCTGA  
 TGCCCTCATTGGACCAGGGATCCCCGACACGCTCGACAGATCAACACCCTCAACCATGGGGAGGTGGT  
 TGTGCAGTGACCATCAGCAACCCACAAGGCACGTGTACACAGGTGGCAAGGGCTGTGTTAAGGTCTGGG  
 ACATCAGCCACCCTGGCAACAAGAGCCAGTCTCTCAGCTGGACTGTCTGAACAGGGATAACTACATCCG  
 TTCTGCAGATTGCTCCCTGATGGTGCACCTTAATTGTTGGAGGGGAAGCCAGCACACTGTCCATCTGG  
 GACCTGGCAGCTCCAACCTCCACGCATCAAGGCAGAGCTGACATCCTCAGCCCCTGCCTGCTATGCTCTGG  
 CCATCAGCCCCGACTCCAAGGTCTGCTTCTCATGCTGCAGCGACGGTAACATCGCAGTGTGGGATCTGCA  
 CAACCAGACTCTGGTGAAGCAATTCAGGGGCACACAGATGGAGCCAGCTGTATTGACATTTCTAATGAT  
 GGCACCAAGCTCTGGACAGGTGGTTGGACAACACTGTGAGGTCTGGGACCTGCGTGAAGGGCGGCAGC  
 TGCAGCAACATGACTTCACTCTCAGATCTTTTATTGGGCTATTGCCAACTGGAGAGTGGCTTGCAGT  
 GGGGATGGAGAATAGCAATGTGGAAGTATTGCATGTACCAAAACCAGACAAATACCAGTTGCATCTTCAT  
 GAGAGCTGTGTGCTGTCACTCAAGTTTGGCCACTGTGGCAATGGTTTGTAAAGACTGGAAAGGACAACC  
 TTCTGAATGCTTGGAGGACGCCCTATGGGGCCAGCATATCCAGTCCAAAGAATCCTCATCGTGTCTTAG  
 CTGTGACATCTCTGTGGATGACAAGTACATTGTCACTGGCTCTGGGGACAAGAAAGCTACGGTTTATGAA  
 GTTATTTAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_011600  
**Insert Size:** 2322 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_011600.3</a> , <a href="#">NP_035730.2</a>
<b>RefSeq Size:</b>	4755 bp
<b>RefSeq ORF:</b>	2322 bp
<b>Locus ID:</b>	21888
<b>UniProt ID:</b>	<a href="#">Q62441</a>
<b>Cytogenetics:</b>	19 9.11 cM
<b>Gene Summary:</b>	<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 (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. It encodes isoform 2 which is shorter by one amino acid compared to isoform 1.</p>