

Product datasheet for **MG225876**

Tle4 (NM_011600) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle4 (NM_011600) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tle4
Synonyms:	5730411M05Rik; AA792082; Bce-1; Bce1; ESTM13; ESTM14; grg-4; Grg4; X83332; X83333
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG225876 representing NM_011600
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTCGCGACCTGAGCAAGATGTACCCGACGACGCCACCCGGCACCGCATCAGCCTGCTCAACCCCT
 TCAAATTTACAATTTAGAAATCCTGTGATCGGATTAAGGAAGAGTTTCAGTTTTTACAGGCTCAATACCA
 CAGTCTGAAGCTGGAATGTGAGAAGCTCGCCAGCGAGAAGACAGAGATGCAGCGCATTATGTCATGTAT
 TATGAAATGTCCTATGGGTTGAACATAGAAATGCACAAGCAGGCAGAGATTGTTAAACGACTAAATGCTA
 TCTGTGCACAGGTCATTCTTTCTGTCCCAAGAGCACCAGCAACAAGTGGTGCAGGCTGTGGAACGGGC
 CAAGCAGGTGACCATGGCAGAACTGAACGCCATCATTGGGCAACAACCTCAAGCTCAGCATTATACAT
 GGACATGGTCTGCCTGTGCCTCTGACACCACACCCCTTCAGGGCTTCAGCCCCAGCCATCCCACCTATCG
 GTAGCAGTGCAGGACTTCTGGCCCTCTCCAGTGCAGTGGAGGTCAGTCTCACCTCCCAATTAAGGATGA
 GAAGAAGCACCATGACAATGATCACAAAGAGACAGAGACTCCATCAAGAGCTCTCCGTATCCCCATCA
 GCCAGTTTCCGGGTTCTGAGAAACATAGGAACCTACAGACTATTCTCAGAGAGCAAAAAGCAGAAAA
 CAGAAGAAAAAGAAATTGCAGCTCGCTATGACAGTGTGGTGAAGAGTGTGACAACCTGGTAGTTGA
 TGTGTCCAATGAGGATCCATCTTCCCCCGAGGAAGCCAGCACATTCCCAAGGGAGAATGGCCTGGAC
 AAGACAGGACTCCTCAAGAAAGATGCCCCATCAGCCCCGCTTCTGTTGCATCTTCCAGCAGTACTCCTT
 CCTCCAAATCAAAGAGCTTAGCCTTAATGAAAAGTCTACTACTCCTGTTTCAAAGTCCAATACCCCTAC
 TCCACGAACTGATGCACCTACCCCTGGCAGTAATTCTACTCCTGGACTGAGGCCTGTACCTGGAAAGCCA
 CCAGGTGTGGACCCCTTAGCATCAAGCCTGAGGACCCCGATGGCTGTACCTTGTCCATATCCAACCCCT
 TTGGGATCGTGCCCATGCTGGGATGAACGGAGAGCTGACCAGCCCCGGAGCCCTATGCTGGGTACA
 CAACATCTCCCCCAGATGAGTGCAGCTGCTGCTGCAGCTGCGGCAGCAGCAGCCTATGGAAGATCACT
 GTGGTGGGATTTGATCCACACCATCACATGCGAGTGCCAGCAATACCTCCAAATCTAACAGGCATTCAG
 GAGAAAACCAGCATACTCCTTTACGTCAGTGGCGATGGCCAGATGCAGCCTGTCCCTTCCCCCTGA
 TGCCCTCATTGGACCAGGGATCCCCGACACGCTCGACAGATCAACACCCCTCAACCATGGGGAGGTGGT
 TGTGCAGTGACCATCAGCAACCCACAAGGCACGTGTACACAGGTGGCAAGGGCTGTGTTAAGGTCTGGG
 ACATCAGCCACCCTGGCAACAAGAGCCAGTCTCTCAGCTGGACTGTCTGAACAGGGATAACTACATCCG
 TTCTGCAGATTGCTCCCTGATGGTGCACCTAATTGTTGGAGGGGAAGCCAGCAGACTGTCCATCTGG
 GACCTGGCAGCTCCAACCTCCACGCATCAAGGCAGAGCTGACATCCTCAGCCCCTGCCTGCTATGCTCTGG
 CCATCAGCCCCGACTCCAAGGTCTGCTTCTCATGCTGCAGCGACGGTAACATCGCAGTGTGGGATCTGCA
 CAACCAGACTCTGGTGAAGCAATTCCAGGGGCACACAGATGGAGCCAGCTGTATTGACATTTCTAATGAT
 GGCACCAAGCTCTGGACAGGTGGTTTGGACAACACTGTGAGGTCTGGGACCTGCGTGAAGGGCGGCAGC
 TGCAGCAACATGACTTCCCTCTCAGATCTTTTATTGGGCTATTGCCAACTGGAGAGTGGCTTGCAGT
 GGGGATGGAGAATAGCAATGTGGAAGTATTGCATGTACCAAACCCAGACAAATACCAGTTGCATCTTCAT
 GAGAGCTGTGTGCTGTCACTCAAGTTTGGCCACTGTGGCAATGGTTTGTAAAGACTGGAAAGGACAACC
 TTCTGAATGCTTGGAGGACGCCCTTATGGGGCCAGCATATCCAGTCCAAAGAATCCTCATCGTGTCTTAG
 CTGTGACATCTCTGTGGATGACAAGTACATTGTCACTGGCTCTGGGGACAAGAAAGCTACGGTTTATGAA
 GTTATTTAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

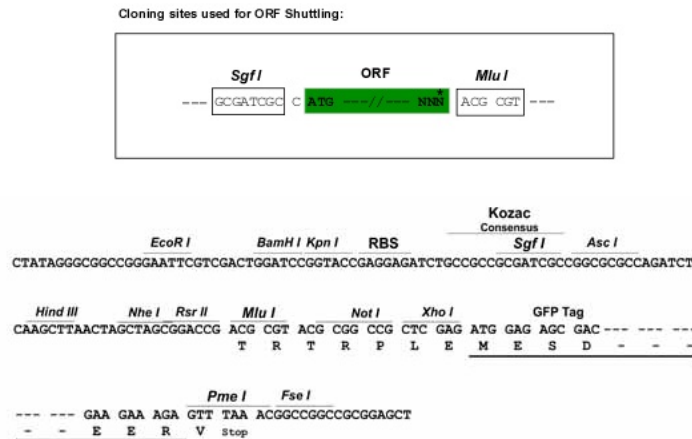
Protein Sequence: >MG225876 representing NM_011600
 Red=Cloning site Green=Tags(s)

MIRDLSKMPQTRHPAPHQPAQPFKFTISESCDRIKEEFQFLQAQYHSLKLECEKLASEKTEMQRHYVMY
 YEMSYGLNIEMHKQAEIVKRLNAICAQVIPFLSQEHQQVQVQVERAKQVTMAELNAIGQQLQAQHLSH
 GHGLPVPLTPHPSGLQPPAIPPIGSSAGLLALSSALGGQSHLPKDEKHHNDHQDRDRDSIKSSSVSPS
 ASFRGSEKHRNSTDYSSSEKKQKTEEKEIAARYDSGDEKSDDDL VVDVSNEDPSSPRGSPAHSPRENGLD
 KTRLLKKDAPISPASVASSSTPSSKSKELSLNEKSTTPVSKSNTPTPRTDAPTPGSNSTPGLRPVPGKP
 PGVDPLASSLRTPMVPCPYPTPFGI VPHAGMNGEL TSPGAAYAGLHNI SPQMSAAAAAAAAAAAAAYGRSP
 VVGFDPHHMRVPAIPP NLTGIPGGKPAYSFHVSADGQMOPVFPFPDALIGPGIPRHARQINTLNHGEVV
 CAVTISNPTRHVYTGKGCVKVWDISHPGNKSPVSQLDCLNRDNYIRSCRLLPDGR TLIVGGEASTLSIW
 DLAAPTTRIKAE LTSSAPACYALAI SPDSKVCFCSSDGNIAVWDLHNQTLVRQFQGHTDGASCIDISND
 GTKLWTGGLDNTVRSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLAVGMENSNVEVLHVTKPKDYQLHLH
 ESCVLSLKFAHCGKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISVDDKIYVTGSGDKKATVYE
 VIY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011600

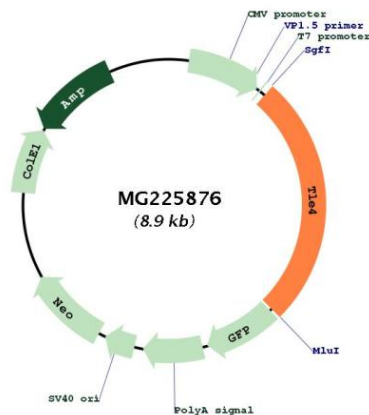
ORF Size: 2319 bp

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_011600.3](#), [NP_035730.2](#)
- RefSeq Size:** 4555 bp
- RefSeq ORF:** 2322 bp
- Locus ID:** 21888
- UniProt ID:** [Q62441](#)
- Cytogenetics:** 19 9.11 cM
- 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]

Product images:



Circular map for MG225876