

Product datasheet for **MR225876**

Tle4 (NM_011600) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tle4 (NM_011600) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide
Sequence:

>MR225876 representing NM_011600
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATTTCGCGACCTGAGCAAGATGTACCCGACGACGCCACCCGGCACCGCATCAGCCTGCTCAACCTT
TCAAATTTACAATTTAGAAATCCTGTGATCGGATTAAGGAAGAGTTTCAGTTTTTACAGGCTCAATACCA
CAGTCTGAAGCTGGAATGTGAGAAGCTCGCCAGCGAGAAGACAGAGATGCAGCGCATTATGTCATGTAT
TATGAAATGTCCTATGGGTTGAACATAGAAATGCACAAGCAGGCAGAGATTGTTAAACGACTAAATGCTA
TCTGTGCACAGGTCATTCTTTCTGTCCCAAGAGCACCAGCAACAAGTGGTGCAGGCTGTGGAACGGGC
CAAGCAGGTGACCATGGCAGAACTGAACGCCATCATTGGGCAACAACCTCAAGCTCAGCATTATCACAT
GGACATGGTCTGCCTGTGCCTCTGACACCACACCTTCAGGGCTTCAGCCCCAGCCATCCCACCTATCG
GTAGCAGTGCAGGACTTCTGGCCCTCTCCAGTGCAGTGGAGGTCAGTCTCACCTCCCAATTAAGGATGA
GAAGAAGCACCATGACAATGATCACAAAGAGACAGAGACTCCATCAAGAGCTCTCCGATATCCCATCA
GCCAGTTTCCGGGTTCTGAGAAACATAGGAACCTACAGACTATTCTCAGAGAGCAAAAAGCAGAAAA
CAGAAGAAAAAGAAATTGCAGCTCGCTATGACAGTGTGGTGAAGAGTGTGACAACCTGGTAGTTGA
TGTGTCCAATGAGGATCCATCTTCCCCCGAGGAAGCCAGCACATTCCTCAAGGGAGAATGGCCTGGAC
AAGACACGACTCCTCAAGAAAGATGCCCCATCAGCCCCGCTTCTGTTGCATCTTCCAGCAGTACTCCTT
CCTCCAATCAAAGAGCTTAGCCTTAATGAAAAGTCTACTACTCTGTTCAAAGTCCAATACCCCTAC
TCCACGAACTGATGCACCTACCCCTGGCAGTAATTCTACTCTGGACTGAGGCCTGTACCTGGAAAGCCA
CCAGGTGTGGACCCCTTAGCATCAAGCCTGAGGACCCCGATGGCTGTACCTTGTCCATATCCAACCCCT
TTGGGATCGTCCCCATGCTGGGATGAACGGAGAGCTGACCAGCCCCGGAGCCCTATGCTGGGTACA
CAACATCTCCCCCAGATGAGTGCAGCTGCTGCTGCAGCTGCGGCAGCAGCAGCCTATGGAAGATCACCT
GTGGTGGGATTTGATCCACACCATCACATGCGAGTGCCAGCAATACCTCCAAATCTAACAGGCATTCAG
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TGCCCTCATTGGACCAGGGATCCCCGACACGCTCGACAGATCAACACCTCAACCATGGGGAGGTGGTG
TGTGCAGTGACCATCAGCAACCCACAAGGCACGTGTACACAGGTGGCAAGGGCTGTGTTAAGGTCTGGG
ACATCAGCCACCCTGGCAACAAGAGCCAGTCTCTCAGCTGGACTGTCTGAACAGGGATAACTACATCCG
TTCCTGCAGATTGCTCCCTGATGGTGCACCTAATTGTTGGAGGGAAGCCAGCACACTGTCCATCTGG
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CCATCAGCCCCGACTCCAAGGTCTGCTTCTCATGCTGCAGCGACGGTAACATCGCAGTGTGGGATCTGCA
CAACCAGACTCTGGTGAAGCAATTCCAGGGGCACACAGATGGAGCCAGCTGTATTGACATTTCTAATGAT
GGCACCAAGCTCTGGACAGGTGGTTGGACAACACTGTGAGGTCTGGGACCTGCGTGAAGGGCGGCAGC
TGCAGCAACATGACTTCACTCTCAGATCTTTTATTGGGCTATTGCCAACTGGAGAGTGGCTTGCAGT
GGGGATGGAGAATAGCAATGTGGAAGTATTGCATGTACCAAACCCAGACAAATACCAGTTGCATCTTCAT
GAGAGCTGTGTGCTGTCACTCAAGTTTGGCCACTGTGGCAATGGTTTGTAAAGCACTGGAAAGGACAACC
TTCTGAATGCTTGGAGGACGCCCTATGGGGCCAGCATATCCAGTCCAAAGAATCCTCATCGTGTCTTAG
CTGTGACATCTCTGTGGATGACAAGTACATTGTCACTGGCTCTGGGGACAAGAAAGCTACGGTTTATGAA
GTTATTTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225876 representing NM_011600
Red=Cloning site Green=Tags(s)

MIRDLSKMPQTRHPAPHQPAQPFFKFTISESCDRIKEEFQFLQAQYHSLKLECEKLASEKTEMQRHYVMY
YEMSYGLNIEMHKQAEIVKRLNAICAQVIPFLSQEHQQVVQAVERAKQVTMAELNAIIGQQLQAQHLSH
GHGLPVPLTPHPSGLQPPAIPPIGSSAGLLALSSALGGQSHLPKDEKKHHDNDHQDRDRDSIKSSSVSPS
ASFGRSEKHRNSTDYSSSEKQKTEEKEIAARYDSGEEKSDDNLVVDVSNEDPSSPRGSPAHSPRENGLD
KTRLLKKDAPISPASVASSSTPSSKSKELSLNEKSTTPVSKSNTPTPRTDAPTPGSNSTPGLRPVPGK
PGVDPLASSLRTPMAVPCPYPTPFGIVPHAGMNGELTSPGAAYAGLHNISPQMSAAAAAAAAAAAAAYGRSP
VVGFDPHHMRVPAIPPNLTGIPGGKPAYSFHVSADGQMOPVFPFPDALIGPGIPRHARQINTLNHGEVV
CAVTISNPTRHVYTGKGCVKVWDISHPGNKSPVSQLDCLNRDNYIRSCRLLPDGRTLIVGGEASTLSIW
DLAAPTPIKAELTSSAPACYALAI SPDSKVCFCSCSDGNI AVWDLHNQTLVRQFQGHTDGASCIDISND
GTKLWTGGLDNTVRSWDLREGRQLQQHDFTSQIFSLGYCPTGEWLAVGMENSNEVLHVTKPKDYQLHLH
ESCVL SLKFAHCGKWFVSTGKDNLLNAWRTPYGASIFQSKESSVLSCDISVDDKYIVTGS GDKKATVYE
VIY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9048_e07.zip

Restriction Sites: Sgfl-Mlul

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

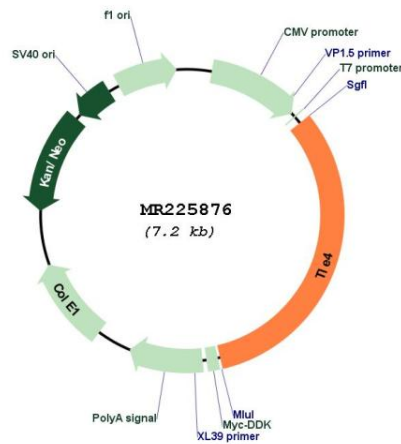
UniProt ID: [Q62441](#)

Cytogenetics: 19 9.11 cM

MW: 84.2 kDa

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 MR225876