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Product datasheet for RG205815

TLE6 (NM_024760) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLE6 (NM_024760) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TLE6
Synonyms:	GRG6; PREMBL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG205815 representing NM_024760
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCACCAGGTCCTCCGACTGGCTCCGGCGGCCTTTGGGGGAGGACAATCAGCCGGAGACCCAGCTGT
TCTGGGACAAGGAGCCTTGGTTTTGGCACGACACTCTGACCGAGCAACTCTGGCGGATTTTTGCCGGCGT
CCACGATGAGAAGGCAAAGCCCAGAGACAGACAGCAGGCACCAGGCCTGGGGCAGGAAAGCAAGGCACCA
GGATCCTGTGACCCAGGAACAGACCCATGTCCTGAAGATGCCTCCACCCCCAGGCCACCTGAGGCCTCCT
CCAGTCCCCCTGAGGGTTCCCAAGACAGGAACACAAGTTGGGGTGTGGTCCAGGAGCCTCCTGGAAGAGC
CTCTCGGTTTCTACAGTCCATATCCTGGGACCCTGAGGACTTTGAAGATGCATGGAAGAGGCCAGATGCC
TTGCCCGGGCAGTCAAAGAGACTCGCCGTCCCGTGCAAACTGGAAAAGATGCGGATCTTGGCACACGGGG
AGCTCGTGCTCGCCACGGCCATCAGCAGCTTCACGCGGCACGTGTTCACCTGTGGCAGAAGAGGCATCAA
GGTGTGGAGCCTGACTGGACAGGTGGCTGAGGACAGGTTCCCTGAGAGCCACCTGCCTATACAGACCCCT
GGGGCCTTCCTGCGCACCTGCCTGCTGTCCTCAAACAGCAGGAGCCTGCTCACCGGTGGCTACAACCTGG
CCAGCGTGAGCGTGTGGGACCTGGCGGCGCCCTCCCTGCATGTGAAGGAGCAGTTGCCCTGTGCAGGTCT
CAACTGCCAGGCCCTGGATGCCAACCTGGATGCCAACCTGGCCTTCGCCAGCTTCACCAGTGGTGTGGTC
AGGATCTGGGACCTGCGGGATCAGAGTGTGGTCAGGGACCTCAAGGGTTATCCTGATGGAGTCAAGAGTA
TCGTGGTCAAGGGCTACAACATCTGGACTGGGGGTCCGGATGCCTGTCTGCGGTGCTGGGACCAGAGGAC
CATCATGAAACCTCTGGAGTACCAATTCAAGTCTCAGATAATGAGCCTGTCCCACAGCCCCCAGGAGGAC
TGGGTGCTGCTGGGCATGGCCAATGGCCAGCAGTGGCTGCAAAGCACCAGCGGGAGCCAGCGGCACATGG
TGGGGCAAAAAGACAGCGTCATCCTGAGCGTCAAGTTCTCCCCCTTTGGCCAGTGGTGGGCAAGCGTTGG
AATGGACGACTTCCTTGGCGTCTACAGCATGCCGGCGGGGACAAAAGTGTTCGAGGTGCCTGAGATGTCT
CCAGTCACGTGCTGTGACGTCTCTTCCAACAACCGCCTCGTTGTCACAGGCTCCGGGGAGCACGCCTCCG
TGTACCAGATCACCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

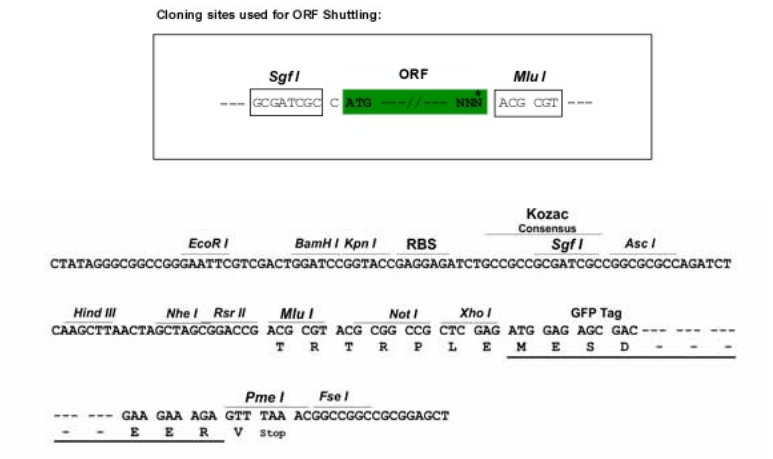
>RG205815 representing NM_024760
Red=Cloning site Green=Tags(s)

MATRSSDWLRRPLGEDNQPETQLFWDKEPWFWHDTLTEQLWRIFAGVHDEKAKPRDRQQAPGLGQESKAP
GSCDPGTDPCPEDASTPRPPEASSSPPEGSQDRNTSWGVVQEPPGRASRFLQSISWDPEDFEDAWKRPDA
LPGQSKRLAVPCKLEKMRILAHGELVLATAISSFTRHVFTCGRRGIKVWSLTGQVAEDRFPESHLPIQTP
GAFLRTCLLSSNSRSLLTGGYNLASVSVWDLAAPSLHVKEQLPCAGLNCQALDANLDANLAFASFTSGVV
RIWDLRDQSVVRDLKGYPDGVKSIVVKGYNIWTGGPDACLRCWDQRTIMKPLEYQFKSQIMSLSHSPQED
WVLLGMANGQQWLQSTSGSQRHMVGQKDSVILSVKFSPFGQWWASVGMDDFLGVYSMPAGTKVFEVPEMS
PVTCCDVSSNNRLVVTGSGEHASVYQITY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

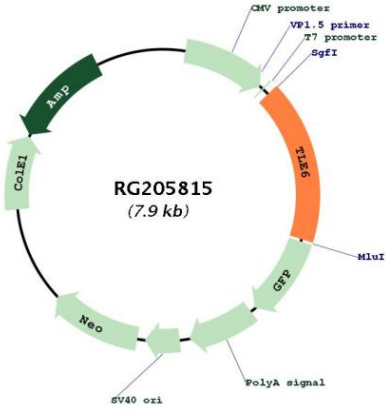


ACCN:	NM_024760
ORF Size:	1347 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_024760.3
RefSeq Size:	1977 bp
RefSeq ORF:	1350 bp
Locus ID:	79816
UniProt ID:	Q9H808
Cytogenetics:	19p13.3

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the Groucho/ transducin-like Enhancer of split family of transcriptional co-repressors. The encoded protein is a component of the mammalian subcortical maternal complex, which is required for preimplantation development. In mouse, knock out of this gene results in cleavage-stage embryonic arrest resulting from defective cytoplasmic F-actin meshwork formation and asymmetric cell division. In human, an allelic variant in this gene is associated with preimplantation embryonic lethality. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RG205815