

Product datasheet for **RG206488**

TRIL (NM_014817) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIL (NM_014817) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206488 representing NM_014817
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCTGCCCGCCTTGCCTCCTGCTCGTGGTGTGCGGCTGCCTCGCGCTCCCGCCGTGGCCG
 AGCCCGTGTGCCCGAGCGCTGCGACTGCCAGCATCCCCAGCATCCTGTGCACCAACAGGGGGCTCCG
 CGTAGTGCCCAAGACCAGCTCGCTGCCGAGCCCCACGACGTGCTCACCTACAGCCTCGGCGCAACTTC
 ATAACCAACATCACGGCCTTCGACTTCCACCGTCTGGGGCAGCTCAGACGGCTGGACCTGCAGTACAACC
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 TCTGCCAACGAGCTACAGCCCTCCTGCGCCACGCGGCCACCTTCGCACCGCTGCGCTCCCTCTCCTCCC
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 CCTGCGCTCCATGGGCACCGCGTGTCCGCCACTTCTCGGATTCCAGTGCACCGGCCACGCACCACC
 GTGTGCGCGCTCAGTGGGCGGACCTCATCGAATTCCTTCCGACCGCTTTCATGGACAGTGGGGCGGCG
 GCGCGGGCGCAGCCTGAGACGGGAGGACCGTCTCCTGCAGCATTTGCCGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG206488 representing NM_014817
 Red=Cloning site Green=Tags(s)

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MEAAARLRLLLVCGCLALPPLAEPVPCPERCDCQHPQHLLCTNRGLRVVPKTSSLPSPHDVLTYSLGGNF
ITNITAFDFHRLGQLRRDLQYNQIRSLHPKTFEKLRLSLEELYLGNNLLQALAPGTLAPLRKLRILYANG
NEISRLSRGSFEGLESVKLRLDGNALGALPDAVFAPLGNLLYLHLESNRIRFLGKNAFAQLGKLRFLNL
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LYRLDLDGNGWTCDCRLRGLKRWMGDWHSQGRLLTVFVQCRHPPALRGKYL DYLDQQLQNGSCADPSPS
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LQQPSPSVAAGPAPQSLDLHKKPQRGRPTRADPALAEPTTASPGSAPSPAGDPWQRATKHLRTEHQ
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PKFHRFVYLPESDSATLRELGDTPYLVCVEGVLGGRVCPVAPRDHCAGLVTLPEAGSRGGVDYQLLTL
ALLTVNALLVLLALAAWASRWLRRLRARRKGGAPVHVRHMYSTRRPLRSMGTGVSADFSGFQSHRPRTT
VCALSEADLIEFPCDRFMDSAGGGAGGSLRREDRLLQRFAD
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014817

ORF Size: 2433 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_014817.1](#), [NP_055632.1](#)

RefSeq Size: 5056 bp

RefSeq ORF: 2436 bp

Locus ID: 9865

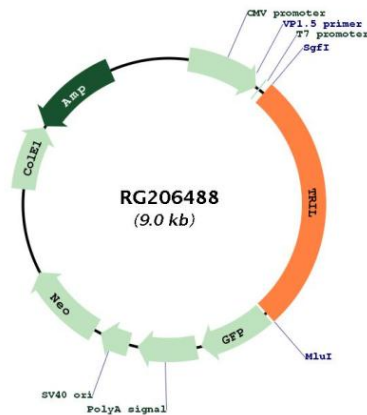
UniProt ID: [Q7L0X0](#)

Cytogenetics: 7p14.3

Domains: LRRCT, LRR, LRR_TYP, LRR_PS

Gene Summary: TRIL is a component of the TLR4 (MIM 603030) complex and is induced in a number of cell types by lipopolysaccharide (LPS) (Carpenter et al., 2009 [PubMed 19710467]).[supplied by OMIM, Apr 2010]

Product images:



Circular map for RG206488