

Product datasheet for **RG226568**

TRAFD1 (NM_001143906) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TRAFD1
Synonyms:	FLN29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG226568 representing NM_001143906
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGAATTTCTAGATGACCAGGAACTCGACTGTGTGACAACGCAAAAAAGAAATTCCTGTGTTTA
 ACTTTACCATCCATGAGATCCACTGTCAAAGGAACATTGGTATGTGTCCTACCTGTAAGGAACCATTTCC
 CAAATCTGACATGGAGACTCACATGGCTGCAGAACACTGTCAGGTGACCTGCAAATGTAACAAGAAGTTG
 GAGAAGAGGCTGTTAAAGAAGCATGAGGAGACTGAGTGCCCTTTGCGGCTTGCTGTCTGCCAGCACTGTG
 ATTTAGAACTTTCCATTCTCAAAGGAACATGAAGATTATTGGTGGCCCGGACGGAACATGTGG
 CAACGTGTGGTCGCAATGTCCTTGTGAAAGATCTGAAGACTCACCTGAAAGTTTGTGGGAGAGAGGGGAG
 GAAAAGAGAAATGAGGTTGCCATACCTCCTAATGCATATGATGAATCTTGGGGTCAGGATGGAATCTGGA
 TTGCATCCCAACTCCTCAGACAAATGAGGCTCTGGACCCACCCATGAGGCTGCCGGAAGGCCCTGAG
 AGCCTTTGAATCAGATGTTTTCCACAATAGAATAACCAACAAAGGAACATTACAGCCAGGTTTCAATT
 CAGAATAATCTGTTTGAAGAACAAGAGAGGAGGAGAAAGAAATAGAGGCCAACAGCCCCCAAGAGGGTG
 GTGAAGAGAGTGCAAACTTGGACTTCATGTTGGCCTAAGTCTGCAAAATGAAGGCCAAGCCTCCAGTGT
 GGCAGAGCAGGACTTCTGGAGGGCCGTATGTGAGGCCGACCACTCATGGCGTCCAGGTCTCTCAGT
 GACATAAAGGTCAGCTGACGAGATCATGTTGCCTTGTGAATTTGTGAGGAGCTTACCCAGAGGAAC
 TGCTGATTGACCATCAGACAAGCTGTAACCTTACGTGCCTTACCTTCACTCAATACTGGCAGCTCTTC
 CCCCAGAGGGGTGGAGGAACCTGATGTCATCTTCCAGAACTTCTGCAACAGGCTGCAAGTAACCAAGTTA
 GACTCTTTGATGGGCTGAGCAATTCACACCTGTGGAGGAGAGCATATTATCCCATGTGAATTTCTGTG
 GGGTACAGCTGGAAGAGGAGGTGCTTCCATCACCAGGACCACTGTGACCAACGCCAGCCACTGCAAC
 CAACCATGTGACAGAGGGGATTCTAGACTGGATTCCAGCCTCAAGAGACCTCACCAGAGCTGCCCAGG
 AGGCGTGTCAGACACCAGGGAGACCTGTCTTCTGGTTACCTGGATGATACTAAGCAGGAAACAGCTAATG
 GGCCACCTCCTGTCTGCCTCCAGCCGACCCATTAAATATGACAGCTACCTATAACCAAGCTATCGAG
 ATCAACATCAGGCCAGACCTGGGTGCCAGCCAGCTCTCCTTGTGTGCCAAGCTCAGCAACTCAGAC
 AGCCAGGACATCCAGGGCGGAATCGAGACAGCCAGAAATGGGGCCATAGCCCTGGGCACGTTTTCAGTGA
 TTCGCCCTCCTCAAATCTCTACCCAGAAAACATTGTGCCCTCTTCTCCCTGGGCCTTCAGGAGATA
 CGGAGCTAGTGGTAGGAGTGAAGGTGGCAGGAATCCCGGTCACCCCTGCAGCTGCCAACTACCGCAGC
 AGAACTGCAAAGGCAAAGCCTTCCAAGCAACAGGAGCTGGGGATGCAGAAGAGGAAGAGGAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226568 representing NM_001143906
 Red=Cloning site Green=Tags(s)

MAEFLDDQETRLCDNCKKEIPVFNFTIHEIHCQRNIGMCPTCKEPFKSDMETHMAAEHCQVTCKCNKKL
 EKRLKKHEETECPLRLAVCQHCDLELSILKKEHEDYCGARTELCGNCGRNVLVKDLKTHPEVCGREG
 EKRNEVAIPPNAVDESQDGIWIASQLLRQIEALDPPMRLPRRPLRAFESDVFHNRTTNQRNITAQVSI
 QNNLFEEQERQERNRQPPKEGGEESANLDFMLALSLQNEGQASSVAEQDFWRAVCEADQSHGGPRSL
 DIKGADEIMLPCEFCCEELYPEELLIDHQTSCNPSRALPSLNTGSSSPRGVEEPDVIFQNFLLQQAASNL
 DSLMGLSNSHPVEESIIIPCEFCGVQLEEEVLFHHQDQCDQRPATATNHVTEGIPRLDSQPQETSP
 RRVRHQGDLSGYLDDTKQETANGPTSCLPSPRPINMTATYNQLSRSTSGPRPGCQPSPPCVPKLSNSD
 SQDIQGRNRDSQNGAIAPGHVSIRPPQNLYPENIVPSFSPGPSGRYGASGRSEGRNSRVTPAAANYRS
 RTAKAKPSKQAGDAEEEEEE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001143906

ORF Size: 1746 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.

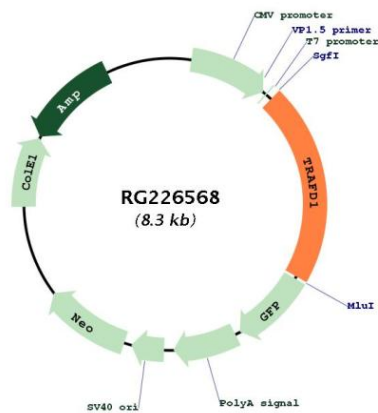
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001143906.1](#), [NP_001137378.1](#)

RefSeq Size: 3196 bp

RefSeq ORF:	1749 bp
Locus ID:	10906
UniProt ID:	Q14545
Cytogenetics:	12q24.13
Gene Summary:	The innate immune system confers host defense against viral and microbial infection, and TRAFD1 is a negative feedback regulator that controls excessive immune responses (Sanada et al., 2008 [PubMed 18849341]).[supplied by OMIM, Dec 2009]

Product images:



Circular map for RG226568