

Product datasheet for **RC200265**

TRAFD1 (NM_006700) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TRAFD1
Synonyms:	FLN29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC200265 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGAATTTCTAGATGACCAGGAACTCGACTGTGTGACAACTGCAAAAAGAAATTCCTGTGTTTA
 ACTTTACCATCCATGAGATCCACTGTCAAAGGAACATTGGTATGTGTCTACCTGTAAGGAACATTTCC
 CAAATCTGACATGGAGACTCACATGGCTGCAGAACTGTCAGGTGACCTGCAAAATGTAACAAGAAGTTG
 GAGAAGAGGCTGTAAAGAAGCATGAGGAGACTGAGTGCCCTTTGCGGCTTGCTGTCTGCCAGCACTGTG
 ATTTAGAATTTCCATTCTCAAAGTGAAGAACATGAAGATTATTGGTGGCCCGACGGAACATGTGG
 CAACTGTGGTCGCAATGCTTGTGAAAGATCTGAAGACTCACCTGAAGTTTGTGGGAGAGAGGGGGAG
 GAAAAGAGAAATGAGTTGCCATACCTCCTAATGCATATGATGAATCTTGGGGTCAGGATGGAATCTGGA
 TTGCATCCCAACTCCTCAGACAAATTGAGGCTCTGGACCCACCCATGAGGCTGCCGGAAGGCCCTGAG
 AGCCTTTGAATCAGATGTTTTCCACAATAGAATACCAACAAAGGAACATTACAGCCCAGGTTTCAATT
 CAGAATAATCTGTTTGAAGAACAAGAGAGGCAGGAAAGGAATAGAGGCCAACAGCCCCCAAGAGGGTG
 GTGAAGAGAGTGCAAACTTGACTTCATGTTGGCCCTAAGCTGCAAAATGAAGGCCAAGCTCCAGTGT
 GGCAGAGCAGGACTTCTGGAGGGCCGTATGTGAGGCCGACCACTCATGGCGGTCCCAGGTCTCTCAGT
 GACATAAAGGGTGACGCTGACGAGATCATGTTGCCTTGTGAATTTGTGAGGAGCTCTACCCAGAGGAAC
 TGCTGATTGACCATCAGACAAGCTGAACCCCTTACGTGCCTTACCTTCACTCAATACTGGCAGCTCTTC
 CCCAGAGGGGTGGAGGAACCTGATGTCATCTTCCAGAACTTCTTGAACAGGCTGCAAGTAACCAAGTTA
 GACTCTTTGATGGGCTGAGCAATTACACCCCTGTGGAGGAGAGCATCATTATCCCATGTGAATTTCTGTG
 GGGTACAGCTGGAAGAGGAGGTGCTGTTCCATCACCAGGACAGTGTGACCAACGCCAGCCACTGCAAC
 CAACCATGTGACAGAGGGGATTCTAGACTGGATTCCCAGCCTCAAGAGACCTCACCAGAGCTGCCCAGG
 AGGCGTGTGACACACCAGGGAGACCTGTCTTCTGGTTACCTGGATGATACTAAGCAGGAAACAGCTAATG
 GGCCACCTCCTGTCTGCCTCCCAGCCGACCCATTAACAATATGACAGCTACCTATAACCAGCTATCGAG
 ATCAACATCAGGCCCCAGACCTGGGTGCCAGCCAGCTCTCCTTGTGTGCCGAAGCTCAGCAACTCAGAC
 AGCCAGGACATCCAGGGGCGGAATCGAGACAGCCAGAATGGGGCCATAGCCCCTGGGCACGTTTCAGTGA
 TTCGCCCTCCTCAAAATCTCTACCCAGAAAACATTGTGCCCTCTTCTCCCCTGGGCCTTCAGGGAGATA
 CGGAGCTAGTGGTAGGAGTGAAGGTGGCAGGAATCCCGGTACCCCTGCAGCTGCCAACTACCGCAGC
 AGAACTGCAAAGCAAAGCCTTCCAAGCAACAGGGAGCTGGGGATGCAGAAGAGGAAGAGGAGGAG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200265 protein sequence
 Red=Cloning site Green=Tags(s)

MAEFLDDQETRLCDNCKKEIPVFNFTIHEIHCQRNIGMCPTCKEFPKSDMETHMAAEHCQVTCKCNKKL
 EKRLKKHEETECPLRLAVCQHCDLELSILKLKEHEDYCGARTELCGNCGRNVLVKDLKTHPEVCGREG
 EKREVAIPPNAVDESWGDGIWIASQLLRQIEALDPPMRLPRRPLRAFESDVFHNRTTNQRNITAQVSI
 QNNLFEEQERQERNRQGPPEEGEESANLDFMLALSLQNEGQASSVAEQDFWRAVCEADQSHGGPRSL
 DIKGADEIMLPCEFCCEELYPEELLIDHQTSCNPSRALPSLNTGSSSPRGVEEPDVFQNFLQQAASNL
 DSLMGLSNSHPVEESIIIPCEFCGVQLEEEVLFFFHQDQCDQRPATATNHVTEGIPRLDSQPQETSPELPR
 RRVRHQGDLSGYLDDTKQETANGPTSLPPSRPINMTATYNQLSRSTSGPRPGCQPPSPCVPKLSNSD
 SQDIQGRNRDSQNGAIAPGHVSVIRPPQNLYPENIVPSFSPGSPGRYGASGRSEGGNRNVRTPAAANYRS
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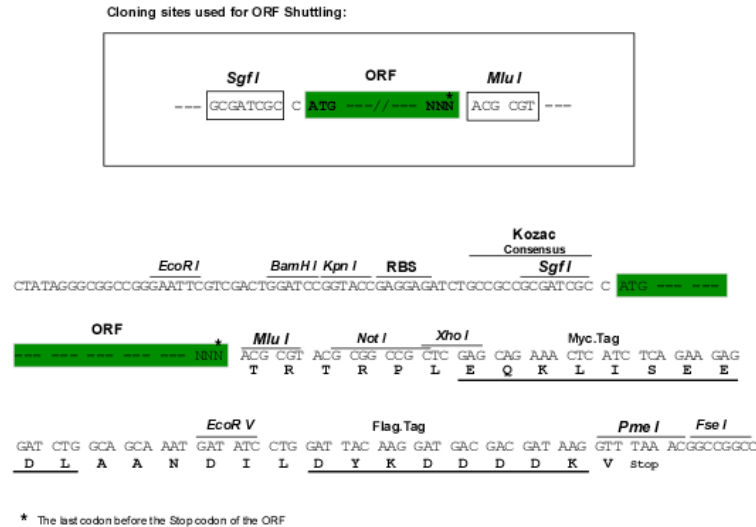
Chromatograms:

https://cdn.origene.com/chromatograms/mk6083_e10.zip

Restriction Sites:

SgfI-MluI

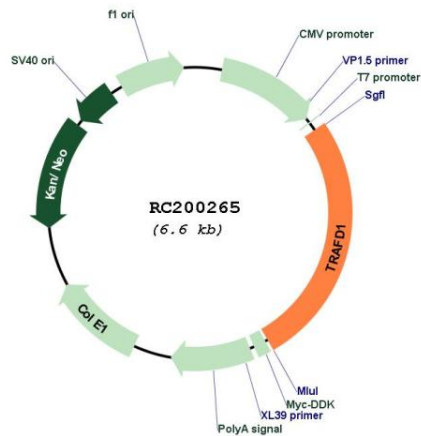
Cloning Scheme:



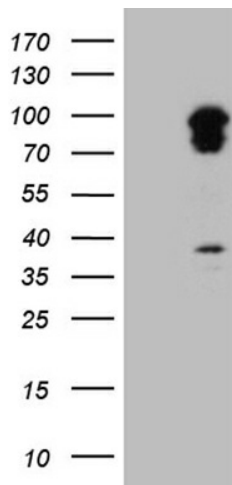
ACCN:	NM_006700
ORF Size:	1746 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_006700.3
RefSeq Size:	2665 bp
RefSeq ORF:	1749 bp
Locus ID:	10906

UniProt ID:	<u>O14545</u>
Cytogenetics:	12q24.13
Domains:	zf-TRAF, zf-C2H2
MW:	64.8 kDa
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]

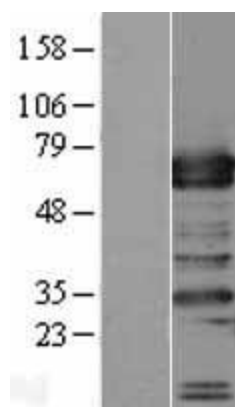
Product images:



Circular map for RC200265



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TRAFD1 (Cat# RC200265, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TRAFD1 (Cat# [TA809366])(1:2000). Positive lysates [LY402005] (100ug) and [LC402005] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY428399]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC226568] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).