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Product datasheet for RC205332

TIF1 alpha (TRIM24) (NM_015905) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIF1 alpha (TRIM24) (NM_015905) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TIF1 alpha
Synonyms:	hTIF1; PTC6; RNF82; TF1A; TIF1; TIF1A; TIF1ALPHA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC205332 representing NM_015905
Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

ATGGAGGTGGCGGTGGAGAAGGCGGTGGCGGCGGCGGCAGCGGCCTCGGCTGCGGCCTCCGGGGGGCCCT
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GTGGGTTTACCAAACCCTAGAATGCAGGGGCCCATCCAGCAACCTTCCATCTCTCATCAGCAACCGCCTC
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Protein Sequence:

>RC205332 representing NM_015905
Red=Cloning site Green=Tags(s)

MEVAVEKAVAAAAAASAAASGGPSAAPSGENEAESRQGPDSERGGEAARLNLLDTCAVCHQNIQSRAPKL
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LLLFLYCHEMSLAFQDPVPLTVPDYYKIIKNPMDLSTIKKRLQEDYSMYSKPEDFVADFRLIFQNCAEFN
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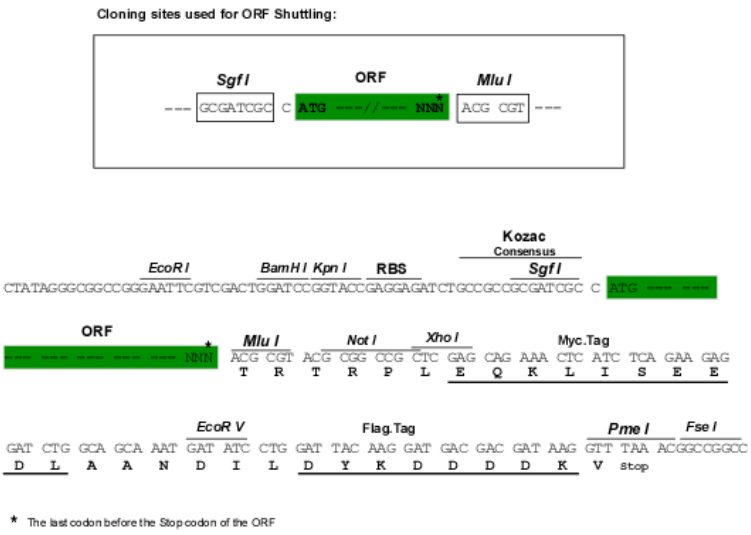
Chromatograms: https://cdn.origene.com/chromatograms/mg4542_d07.zip

Restriction Sites: SgfI-MluI

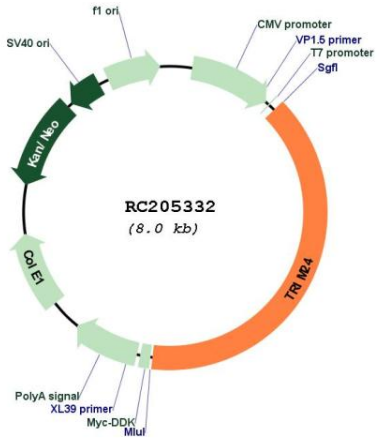
Cloning Scheme:



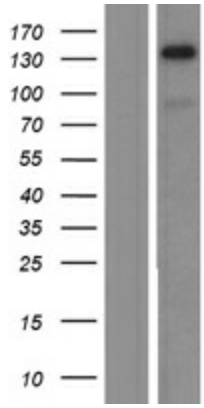
ACCN:	NM_015905
ORF Size:	3150 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_015905.3
RefSeq Size:	4007 bp
RefSeq ORF:	3153 bp

Locus ID:	8805
UniProt ID:	O15164
Cytogenetics:	7q33-q34
Protein Families:	Druggable Genome, Protein Kinase, Transcription Factors
MW:	116.8 kDa
Gene Summary:	The protein encoded by this gene mediates transcriptional control by interaction with the activation function 2 (AF2) region of several nuclear receptors, including the estrogen, retinoic acid, and vitamin D3 receptors. The protein localizes to nuclear bodies and is thought to associate with chromatin and heterochromatin-associated factors. The protein is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains - a RING, a B-box type 1 and a B-box type 2 - and a coiled-coil region. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC205332



Western blot validation of overexpression lysate (Cat# [LY414336]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205332 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).