

Product datasheet for RC205696

TRIM5 alpha (TRIM5) (NM_033092) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM5 alpha (TRIM5) (NM_033092) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM5
Synonyms:	RNF88; TRIM5alpha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC205696 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTCTGGAATCCTGGTTAATGTAAGGAGGAGGTGACCTGCCCCATCTGCCTGGAACCTCTGACAC
AACCCCTGAGCCTGGACTGCGGCCACAGCTTCTGCCAAGCATGCCTCACTGCAAACCACAAGAAGTCCAT
GCTAGACAAAGGAGAGAGTAGCTGCCCTGTGTGCCGGATCAGTTACCAGCCTGAGAACATACGGCCTAAT
CGGCATGTAGCCAACATAGTGGAGAAGCTCAGGGAGGTCAAGTTGAGCCCAGAGGGGCAGAAAGTTGATC
ATTGTGCACGCCATGGAGAGAACTTCTACTCTTCTGTCAGGAGGACGGGAAGGTCATTTGCTGGCTTTG
TGAGCGGTCTCAGGAGCACCGTGGTCAACACACGTTTCTCACAGAGGAGGTTGCCCGGGAGTACCAAGTG
AAGCTCCAGGCAGCTCTGGAGATGCTGAGGCAGAAGCAGCAGGAAGCTGAAGAGTTGGAAGCTGACATCA
GAGAAGAGAAAGCTTCTGGAAGACTCAAATACAGTATGACAAAACCAACGCTTTGGCAGATTTTGAGCA
ACTGAGAGACATCCTGGACTGGGAGGAGAGCAATGAGCTGCAAAACCTGGAGAAGGAGGAGGAAGACATT
CTGAAAAGCCTTACGAACTCTGAACTGAGATGGTGCAGCAGACCCAGTCCCTGAGAGAGCTCATCTCAG
ATCTGGAGCATCGGCTGCAGGGTCACTGATGGAGCTGCTTCAGGGTGTGGATGGCGTCATAAAAAGGAC
GGAGAAGCTGACCTTGAAGAAGCCAGAACTTTTCCAAAAATCAAGGAGAGTGTTCGAGCTCCTGAT
CTGAAAGGAATGCTAGAAGTGTGTAAGAGCTGACAGATGTCGACGCTACTGGGTAAGGAGAAGTCAC
ATTATCATAAGCCACCCTGCGGCTTATCATTATTATTCTTTATCTTTTAGAATTTTATGTTCTCTATT
AGGCTCATGTTTTAAGATTTATGATTCTCCTTCCAAGACACATAAATTACCCCTCTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC205696 protein sequence
 Red=Cloning site Green=Tags(s)

MASGILVNVKKEVTCPICLELLTQPLSLDCGHSCQACL TANHKKSM LDKGESSCPVCRISYQPENIRPN
 RHVANI VEKLREVKLSPEGQKVDH CARHGEKLL LFCQEDGKVICWLCERSQEHGHHTFL TEEVAREYQV
 KLQAALEMLRQKQQAEELEADIREEKASWKTQIQYDKTNV LADFEQLRDILDWEE SNELQNKLEKEEEDI
 LKSLTNSETEMVQQTQSLRELISDLEHRLQGSVMELLQGV DGVIKRTENVTLKKPETFPKNQRRVFRAPD
 LKGMLEVFRELT D VRRYWGKEKSHYHKPPCGLSLLL SLSFRILCSLLGSCFKIYDSPSKTHITYPSL

TRTRP L E Q K L I S E E D L A A N D I L D Y K D D D D K V

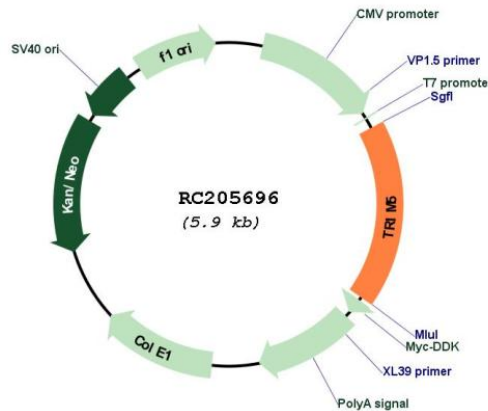
Chromatograms: https://cdn.origene.com/chromatograms/mk6437_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



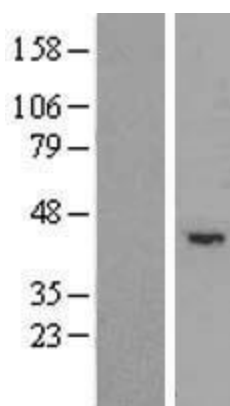
Plasmid Map:



ACCN: NM_033092

ORF Size:	1041 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.
RefSeq:	NM_033092.1 , NM_033092.2 , NP_149083.1
RefSeq Size:	3659 bp
RefSeq ORF:	1044 bp
Locus ID:	85363
Domains:	zf-B_box, RING
Protein Families:	Druggable Genome
MW:	40.1 kDa
Gene Summary:	The protein encoded by this gene 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. The protein forms homo-oligomers via the coiled-coil region and localizes to cytoplasmic bodies. It appears to function as a E3 ubiquitin-ligase and ubiquitinates itself to regulate its subcellular localization. It may play a role in retroviral restriction. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Dec 2009]

Product images:



Western blot validation of overexpression lysate (Cat# [LY409742]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205696 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).