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Product datasheet for RG203757

TRIM25 (NM_005082) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM25 (NM_005082) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM25
Synonyms:	EFP; RNF147; Z147; ZNF147
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG203757 representing NM_005082
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGAGCTGTGCCCCCTGGCCGAGGAGCTGTCGTGCTCCATCTGCCTGGAGCCCTTCAAGGAGCCGG
TCACCACTCCGTGCGGCCACAACTTCTGCGGGTCGTGCCTGAATGAGACGTGGGCAGTCCAGGGCTCGCC
ATACCTGTGCCCGCAGTGCCGCGCCGTCTACCAGGCGCGACCGCAGCTGCACAAGAACACGGTGCTGTGC
AACGTGGTGGAGCAGTTCCTGCAGGCCGACCTGGCCCGGGAGCCACCCGCCGACGTCTGGACGCCGCCCG
CCCGCGCCTCTGCACCCAGCCCGAATGCCCAGGTGGCCTGCGACCACTGCCTGAAGGAGGCCGCCGTGAA
GACGTGCTTGGTGTGCATGGCCTCCTTCTGTCAGGAGCACCTGCAGCCGCACTTCGACAGCCCCGCCTTC
CAGGACCACCCGCTGCAGCCGCCCGTTCGCGACCTGTTGCGCCGCAAATGTTCCCAGCACAATCGGCTGC
GGGAATTTTTCTGCCCCGAGCACAGCGAGTGCATCTGCCACATCTGCCTGGTGGAGCATAAGACCTGCTC
TCCCGCGTCCCTGAGCCAGGCCAGCGCCGACCTGGAGGCCACCCTGAGGCACAAACTAACTGTCATGTAC
AGTCAGATCAACGGGGCGTCGAGAGCACTGGATGATGTGAGAAACAGGCAGCAGGATGTGCGGATGACTG
CAAACAGAAAGGTGGAGCAGCTACAACAAGAATACACGGAAATGAAGGCTCTCTTGGACGCCTCAGAGAC
CACCTCGACAAGGAAGATAAAGGAAGAGGAGAAGAGGGTCAACAGCAAGTTTGACACCATTTATCAGATT
CTCCTCAAGAAGAAGAGTGAGATCCAGACCTTGAAGGAGGAGATTGAACAGAGCCTGACCAAGAGGGATG
AGTTCGAGTTTCTGGAGAAAGCATCAAAACTGCGAGGAATCTCAACAAAGCCAGTCTACATCCCCGAGGT
GGAACTGAACCACAAGCTGATAAAAGGCATCCACCAGAGCACCATAGACCTCAAAAACGAGCTGAAGCAG
TGCATCGGGCGGCTCCAGGAGCTCACCCCCAGTTCAGGTGACCCTGGAGAGCATGACCCAGCGTCCACAC
ACAAATCCACACGCCCTGTGAAGAAGGTCTCCAAAGAGGAAAAGAAATCCAAGAAACCTCCCCCTGTCCC
TGCCTTACCCAGCAAGCTTCCCACGTTTGGAGCCCCGGAACAGTTAGTGGATTTAAAACAAGCTGGCTTG
GAGGCTGCAGCCAAAGCCACCAGCTCACATCCGAACTCAACATCTCTCAAGGCCAAGGTGCTGGAGACCT
TCCTGGCCAAGTCCAGACCTGAGCTCCTGGAGTATTACATTAAAGTCATCCTGGACTACAACACCGCCCA
CAACAAAGTGGCTCTGTCAGAGTGCTATACAGTAGCTTCTGTGGCTGAGATGCCTCAGAACTACCGGCCG
CATCCCCAGAGGTTCACATACTGCTCTCAGGTGCTGGGCCTGCACTGCTACAAGAAGGGGATCCACTACT
GGGAGGTGGAGCTGCAGAAGAACAACTTCTGTGGGGTAGGCATCTGCTACGGAAGCATGAACCGGCAGGG
CCCAGAAAGCAGGCTCGGCCGCAACAGCGCCTCCTGGTGCGTGGAGTGGTTCAACACCAAGATCTCTGCC
TGGCACAATAACGTGGAGAAAACCCTGCCCTCCACCAAGGCCACGCGGGTGGGCGTGCTTCTCAACTGTG
ACCACGGCTTTGTCATCTTCTTCGCTGTTGCCGACAAGGTCCACCTGATGTATAAGTTCAGGGTGGACTT
TACTGAGGCTTTGTACCCGGCTTTCTGGGTATTTTCTGCTGGTGCCACACTCTCCATCTGCTCCCCCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

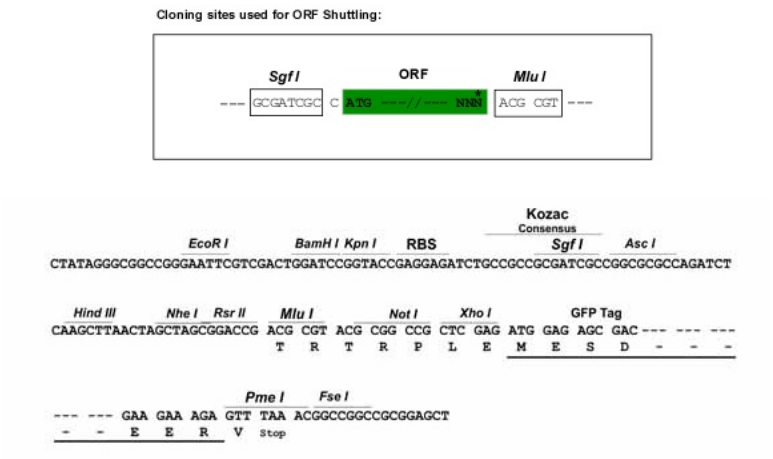
>RG203757 representing NM_005082
Red=Cloning site Green=Tags(s)

MAELCPLAEELSCSICLEPFKEPVTTPCGHNFCGSCLNETWAVQGSPYLCPQCRAVYQARPQLHKNTVLC
NVVEQFLQADLAREPPADVWTPPARASAPSPNAQVACDHCLKEAAVKTCLVCMASFCQEHLQPHFDSPAF
QDHPLQPPVRDLLRRKCSQHNRLREFFCPEHSECICHICLVEHKTCSPASLSQASADLEATLRHKLTVMY
SQINGASRALDDVRNRQQDVRMTANRKVEQLQQEYTEMKALLDASETTSTRKIKEEEKRVNSKFDTIYQI
LLKKKSEIQTLKEEIEQSLTKRDEFEFLEKASKLRGISTKPVYIPEVELNHKLIKGIHQSTIDLKNELKQ
CIGRLQELTPSSGDPGEHDPASTHKSTRPVKKVSKEEKKSKKPPPVPALPSKLPTFGAPEQLVDLKQAGL
EAAAKATSSHPNSTSLKAKVLETFLAKSRPELLEYYIKVILDYNTAHNKVALSECYTVASVAEMPQNYRP
HPQRFTYCSQVLGLHCYKKGIHYWEVELQKNNFCGVGICYGSMNRQGPESRLGRNSASWCVEWFNTKISA
WHNNVEKTLPSTKATRVGVLLNCDHGFVIFFAVADKVHLMYKFRVDFTEALYPAFWVFSAGATLSICSPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005082

ORF Size: 1890 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

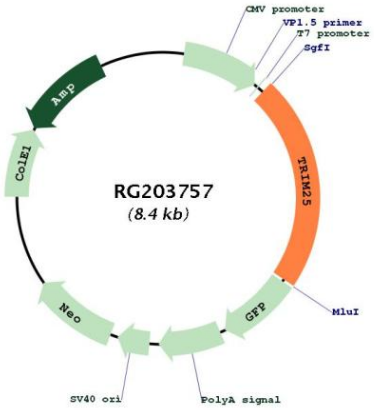
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_005082.3

RefSeq Size:	5744 bp
RefSeq ORF:	1893 bp
Locus ID:	7706
UniProt ID:	Q14258
Cytogenetics:	17q22
Domains:	RING, SPRY, PRY
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	RIG-I-like receptor signaling pathway
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 localizes to the cytoplasm. The presence of potential DNA-binding and dimerization-transactivation domains suggests that this protein may act as a transcription factor, similar to several other members of the TRIM family. Expression of the gene is upregulated in response to estrogen, and it is thought to mediate estrogen actions in breast cancer as a primary response gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203757