

## Product datasheet for **RC203757**

### TRIM25 (NM\_005082) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM25 (NM_005082) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRIM25
Synonyms:	EFP; RNF147; Z147; ZNF147
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC203757 representing NM\_005082  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAGAGCTGTGCCCCCTGGCCGAGGAGCTGTCGTGCTCCATCTGCCTGGAGCCCTTCAAGGAGCCGG  
 TCACCACTCCGTGCGGCCACAATTCTGCGGGTGGTGCCTGAATGAGACGTGGGCAGTCCAGGGCTCGCC  
 ATACCTGTGCCCCGAGTCCCGCGCGTCTACCAGGCGCGACCGCAGCTGCACAAGAACACGGTGTGTGC  
 AACGTGGTGGAGCAGTTCTGCAGGCCGACCTGGCCCGGAGCCACCCGCGCAGCTCTGGACGCCGCCCG  
 CCCGCGCCTCTGCACCCAGCCGAATGCCAGGTGGCCTGCGACCACTGCCTGAAGGAGGCCGCCGTGAA  
 GACGTGCTTGGTGTGCATGGCTCCTTCTGTGAGGACACCTGCAGCCGCACTTCGACAGCCCCGCCTTC  
 CAGGACCACCCGCTGCAGCCGCCGTTTCGCGACCTGTTGCGCCGCAATGTTCCAGCACAATCGGCTGC  
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 AGTCAGATCAACGGGGCTCGAGAGCACTGGATGATGTGAGAAACAGGCAGCAGGATGTGCGGATGACTG  
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 CACCTCGACAAGGAAGATAAAGGAAGAGGAGAAGAGGGTCAACAGCAAGTTTGACACATTTATCAGATT  
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 GGAAGTGAACCACAAGCTGATAAAGGCATCCACCAGAGCACCATAGACCTCAAAAACGAGCTGAAGCAG  
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 CAACAAAGTGGCTCTGTGAGAGTGTATACAGTAGCTTCTGTGGTGTGAGTGCCTCAGAAGTACCGGCCG  
 CATCCCCAGAGGTTACATACTGCTCTCAGGTGCTGGCCTGCACTGCTACAAGAAGGGGATCCACTACT  
 GGGAGGTGGAGCTGCAGAAGAACAATTCTGTGGGTAGGCATCTGCTACGAAGCATGAACCGGCAGGG  
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 ACCACGGCTTTGTATCTTCTTCGCTGTTGCCGACAAGGTCCACCTGATGTATAAGTTACAGGTGGACTT  
 TACTGAGGCTTTGTACCCGGCTTCTGGGTATTTCTGTGCTGGTCCACACTCTCCATCTGCTCCCCCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC203757 representing NM\_005082  
 Red=Cloning site Green=Tags(s)

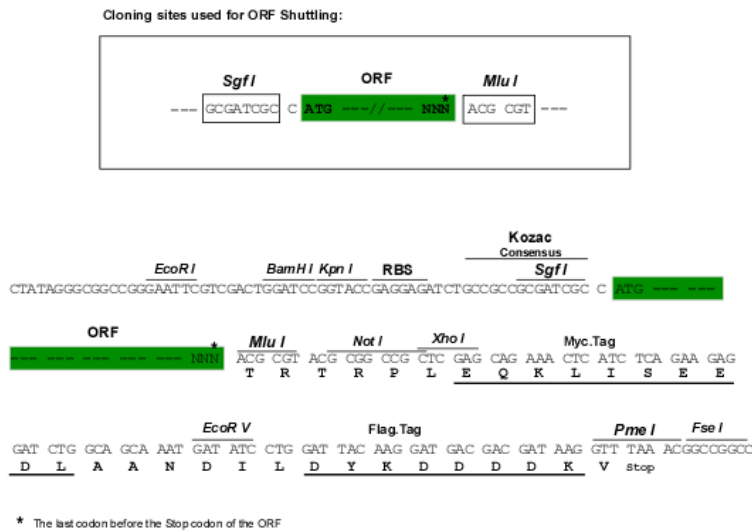
MAELCPLAEELSCSICLEPFKEPVTTPCGHNFCGSLNETWAVQGSPYLCPCRAVYQARPQLHKNTVLC  
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 QDHPQLPPVRDLLRRKCSQHNRLREFFCPEHSEICHIICLVEHKTCSPASLSQASADLEATLRHKLTVMY  
 SQINGASRALDDVRNRQQDVRMTANRQVEQLQVEYTEMKALLDASETTSTRKIKEEEKRVNSKFDTIYQI  
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 EAAAKATSSHPNSTSLKAKVLETFLAKSPELLEYIKVILDYNTAHNKVALSECYTVASVAEMPQNYRP  
 HPQRFTYCSQVLGLHCYKGIHYWEVELQKNNFCGVGICYGSMNRQGPESRLGRNSASWCVEWFNTKISA  
 WHNNVEKTLPTKATRVGVLLNCDHGFVIFFAVADKVHLMYKFRVDFTEALYPAFWVFSAGATLSICSPK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mg2876\\_e06.zip](https://cdn.origene.com/chromatograms/mg2876_e06.zip)

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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

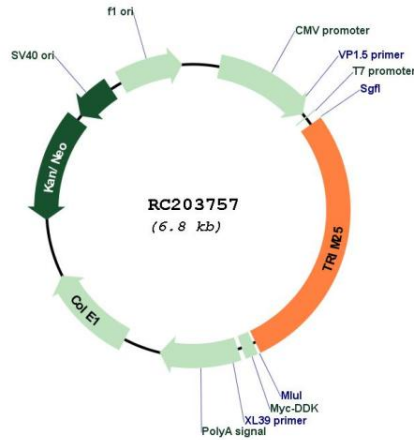
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.

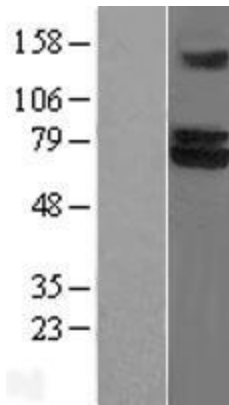
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005082.3</a>
<b>RefSeq Size:</b>	5744 bp
<b>RefSeq ORF:</b>	1893 bp
<b>Locus ID:</b>	7706
<b>UniProt ID:</b>	<a href="#">Q14258</a>
<b>Cytogenetics:</b>	17q22
<b>Domains:</b>	RING, SPRY, PRY
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	RIG-I-like receptor signaling pathway
<b>MW:</b>	70.8 kDa
<b>Gene Summary:</b>	<p>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]</p>

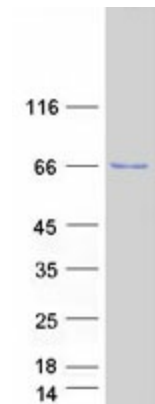
Product images:



Circular map for RC203757



Western blot validation of overexpression lysate (Cat# [LY417532]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203757 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TRIM25 protein (Cat# [TP303757]). The protein was produced from HEK293T cells transfected with TRIM25 cDNA clone (Cat# RC203757) using MegaTran 2.0 (Cat# [TT210002]).