

Product datasheet for **RG214702**

TRIM10 (NM_006778) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TRIM10
Synonyms:	HERF1; RFB30; RNF9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214702 representing NM_006778
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCTCTGCTGCCTCTGTGACCAGCCTGGCAGATGAAGTCAACTGCCCCATCTGTCAGGGTACCTGA
 GGGAGCCGGTCACTATCGACTGCGGCCACAACCTCTGCGGGCCTGCCTTACCCGCTACTGTGAGATACC
 AGGCCAGACCTGGAGGAGTCCCCTACTTGCCCACTCTGCAAGAACCCTTCCGTCTGGGAGCTTCCGG
 CCCAACTGGCAGCTGGCTAACGTGGTGGAGAACATTGAGCGCTCCAGCTGGTGTCCACACTGGGTTTGG
 GAGAGGAGGATGTCTGCCAAGAGCAGGAGGGAAGATCTACTTCTTCTGTGAGGATGATGAGATGCAGTT
 GTGCGTGGTGTGCCGGGAGGCTGGGGAGCACGCTACCCACACCATGCGCTTCTGGAGGATGCAGCGCT
 CCCTATAGGGAACAAATCCATAAGTGTCTTAAATGTCTAAGAAAAGAGAGAGAGAGATTCAAGAAATCC
 AGTCAAGAGAAAAATAAAGGATGCAAGTCTCTGACTCAGGTGTCCACCAAGAGACAACAGGTGATTTT
 TGAGTTCGCACACCTGAGGAAGTTTCTAGAGGAACAGCAGAGCATCTCTTAGCACAATTGGAGAGCCAG
 GATGGGGACATCTTGAGGCAACGGGATGAATTTGATTTGCTGGTGTCTGGGGAGATCTGCCGGTTTGTG
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 TCTAATAAGATGTGAAACCAGAAAGTGCCGGAACCGGTGGCTGTGTCGCCAGAGCTGGGCCAGAGGATT
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 GGACCACCGAGCTCAGTTCTCTCAAATGGCAGAACTCACCAGACAACCCCCAGCGTTTTGACCGG
 GCCACCTGTGTTCTGGCCACACTGGCATCACAGGGGGAGACACAGTGGTGGTGAAGTATAGACCTGG
 CCCATGGGCGAGCTGCACCGTGGCGTGGTGAAGGAGGATGTGCAGCGGAAGGGGAGCTTCGGCTGCG
 GCCAGAGGAGGGGGTGTGGGCTGTGAGGCTGGCTTGGGGCTTCGCTCTCGGCTCTGGGCTCCTCCCCACA
 CGGCTGACCTGAAGGAGCAGCCCCGCGAGGTGAGGGTGTCTCTTGAATATGAGGTGGGCTGGGTGACCT
 TCACCAACGCTGTACCCGAGAGCCCATCTACACCTTCACTGCCTCCTTCACTAGGAAGGTCAATCCCTT
 CTTTGGGCTCTGGGGCCGAGGTCAGTTTCTCCCTGAGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

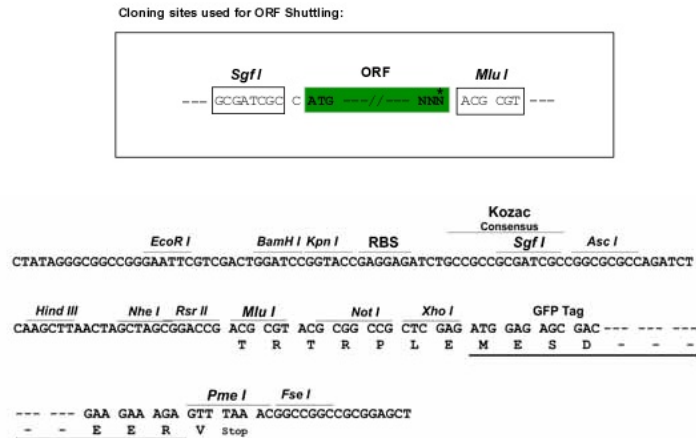
Protein Sequence: >RG214702 representing NM_006778
 Red=Cloning site Green=Tags(s)

MASAASVTSLADEVNCPICQGTLPVPTIDCGHNFRCACLTRYCEIPGPDLEESPTCPLCKEFPFRPGSFR
 PNWQLANVVNIERLQLVSTLGLGEEDVCQEHGKIYFFCEDDEMQLCVVCREAGEHATHMRFLDAAA
 PYREQIHKCLKLRKEREIEIQSRENKRMQVLLTQVSTKRQQVISEFAHLRKFLQEQSILLAQLESQ
 DGDILRQRDEFDLLVAGEICRFSALIEELEEKNERPARELLTDIRSTLIRCETRKCRKPVAVSPELGQRI
 RDRFPQALPLQREMKMFLEKLCFELDYEPAHISLDPQTSHPKLLLSHEDHQAQFSSKWQNSPDNPQRFRD
 ATCVLAHTGITGGRHTWVVSIDLAHGASCTVGVSSEDVQRKGELRLRPEEGVWAVRLAWGFVSALGSFPT
 RLTLKEQPRQVRVSLDYEVGWVFTNAVTREPIYFTTASFTRKVIPIFFGLWGRGSSFSLSLSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006778

ORF Size: 1443 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_006778.2](#), [NP_006769.1](#)

RefSeq Size: 2004 bp

RefSeq ORF: 1446 bp

Locus ID: 10107

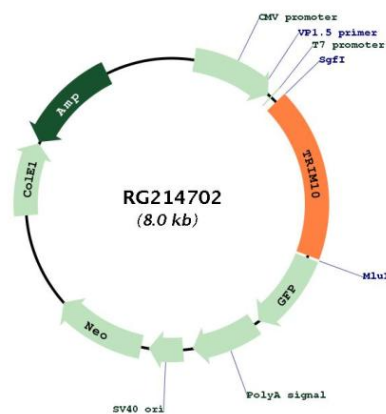
UniProt ID: [Q9UDY6](#)

Cytogenetics: 6p22.1

Protein Families: Druggable Genome

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. This protein localizes to cytoplasmic bodies. Studies in mice suggest that this protein plays a role in terminal differentiation of erythroid cells. Alternate splicing of this gene generates two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG214702