

Product datasheet for **RG217706**

TRIM58 (NM_015431) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRIM58 (NM_015431) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM58
Synonyms:	BIA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG217706 representing NM_015431
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCGGCGCCGCCCGGGAGCGGCTGCGCGAGGATGCGCGGTGCCCGTGTGCCTGGATTTCCTGC
 AGGAGCCGGTCAGCGTGGACTGCGGCCACAGCTTCTGCCTCAGGTGCATCTCCGAGTTCTGCGAGAAGTC
 GGACGGCGCGCAGGGCGGCTCTACGCCTGCCAGTGCCGGGCCCCCTCCGGCCCTCGGGCTTTTCGC
 CCCAACCGGCAGCTGGCGGGCTGGTGGAGAGCGTGCAGCGGCTGGGGTTGGCGCGGGGCCCGGGCGC
 GGCGATGCGCGCGCACGGCAGGACCTGAGCCGTTCTGCGAGGAGGACGAGGCGGCGCTGTGCTGGGT
 GTGCGACCGCGCCCGAGCACAGGACGCCACGGCAGCGCCGCTGCAGGAGGCCCGCGCAGCTACCAG
 GTAAGCTCCAGATGGCTCTGGAATTATGAGGAAAGAGTTGGAGGACGCCTTGACTCAGGAGGCCAACG
 TGGGAAAAAGACTGTCATTTGGAAGGAGAAAGTGAAATGCAGAGGCAGCGCTTCAGATTGGAGTTTGA
 GAAGCATCGTGGCTTTCTGGCCAGGAGGAGCAACGGCAGCTGAGCGGCTGGAGCGGAGGAGCGAGCG
 ACGCTGCAGAGACTGCGGGAGAGCAAGAGCCGGCTGGTCCAGCAGAGCAAGGCCCTGAAGGAGCTGGCGG
 ATGAGCTGCAGGAGAGGTGCCAGCGCCCGCCCTGGGTCTGCTGGAGGGTGTGAGAGGATCCTGAGCAG
 AAGTAAGGCTGTCAAGGCTGGAAGCAGAGAATCCCCATGGAAGTGAAGACAGCATGCTGCATCCCT
 GGGAGGAGGGAGCTTTAAGGAAGTTCCAAGTGGATGTAAGCTGGATCCCGCCACGGCGCACCCGAGTC
 TGCTCTTGACCGCGACCTGCGCAGTGTGAGGATGGAGAACCATGGAGGGATGTCCCAACAACCTGA
 GCGATTTGACACATGGCCCTGCATCCTGGGTTTGAGAGCTTCTCATCAGGGAGGCATTACTGGGAGTT
 CTGGTGGGAGAAGGAGCAGAGTGGGTTTAGGGTCTGTCAAGACACACTGCCAAGAAAGGGGAAACCA
 CGCCATCTCCTGAGAATGGGCTGCGCCCTGTGGCTGCTGAAAGGGAATGAGTACATGCTCCTTGCCCT
 CCCATCAGTGCCTTTCTCCAAGTGGAAAGTCTCGCTGCATTGGGATTTTCTTGACTATGAAGCCGGT
 GAAATTTCACTTACAATGTCACAGATGGATCTTATATCTACACATTCAACCAACTTTCTCTGGTCTTC
 TTCGGCCTTACTTTTCTGTGATGCAACTCCTTATCTTGCCACCCACAACAATAGCAGGGTCAGG
 AAATTGGGCATCCAGGGATCATTTAGATCCTGCTTCTGATGTAAGAGATGATCATCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG217706 representing NM_015431
 Red=Cloning site Green=Tags(s)

MASAPGERLREDARCPVCLDFLQEPVSVDCGHSFCLRCISEFCEKSDGAQGGVYACPCRGPFPRPSGFR
 PNRQLAGLVESVRRLLGLGAGPGARRCARHGEDLSRFCEEDEAALCWVCDAGPEHRTHRTAPLQEAAGSYQ
 VKLQMALELMRKELEDALTQEANVGKKTVIWKEKMEMQQRFRLEFEKHRGFLAQEEQRQLRRLEAEERA
 TLQRLRESKSRLVQQSKALKELADELQERCQRPALGLLEGVVRGVLRSKAVTRLEAENIPMELKTACCIP
 GRRELLRKFQVDVKLDPATAHPSLLLADLRSVQDGEPRDVPNNPERFDTWPCILGLQSFSSGRHYWEV
 LVGEGAEWGLGVCQDTLPRKGETTPSPENGVWALWLLKGNEYMVLASPSVPLQLLESRCIGIFLDYEAG
 EISFYNVTDGSYIYTFNQLFSGLLRPYFFICDATPLILPPTTIAGSGNWSRDHLDPASDVRDDHL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015431

ORF Size: 1458 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.

RefSeq: [NM_015431.2](#), [NP_056246.2](#)

RefSeq Size: 2594 bp

RefSeq ORF: 1461 bp

Locus ID: 25893

UniProt ID: [Q8NG06](#)

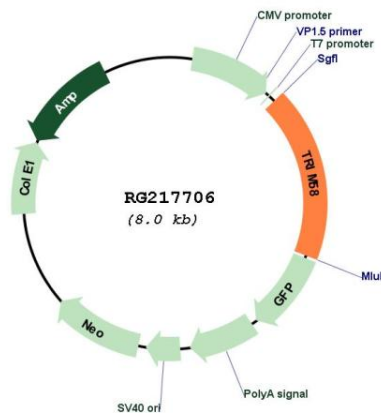
Cytogenetics: 1q44

Domains: zf-B_box, RING, SPRY, PRY

Protein Families: Druggable Genome

Gene Summary: E3 ubiquitin ligase induced during late erythropoiesis. Directly binds and ubiquitinates the intermediate chain of the microtubule motor dynein (DYNC1LI1/DYNC1LI2), stimulating the degradation of the dynein holoprotein complex. May participate in the erythroblast enucleation process through regulation of nuclear polarization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG217706