

Product datasheet for **MG205943**

Rnf13 (BC058182) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf13 (BC058182) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnf13
Synonyms:	2010001H16Rik; Rzf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205943 representing BC058182 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCTCTCCATTGGGATGCTCATGCTGTCCGCCACACAGGTCTACCCATCTTGACTGTGCAGCTCT
TTGCATTCCTAAACCTGCTGCCTGTAGAAGCAGACATTTTAGCATATAATTTGAAAATGCATCTCAGAC
ATTTGAGGACCTCCAGCAAGATTTGGTTATAGACTACCAGCTGAAGGCTTAAAGGTTTTCTGATTAAC
TCAAAACCAGAGAATGCGTGTGAACCCATAGTGCCTCCACCCTGAAAGACAATCTTCCGGCAGCTTCA
TCGTGCTGATTAGAAGACTTGATTGCAATTTTGATATAAAGGTTTTAAATGCACAGAGAGCAGGATACAA
AGCAGCCATAGTTCACAATGTAGACTCTGATGACCTGATTAGCATGGGATCCAACGACATTGATACACTA
AAGAAAATTGACATTCGGTCTGTCTTTATTGGTGAATCATCAGCTAATTCCTGAAAGATGAATTCACAT
ATGAAAAAGGGGCCACATTATCTTAGTTCAGAACTGAGTCTTCTTTGGAGTACTATCTGATCCCTT
CCTCATCATAGTGGGCATCTGCCTCATCTTAATAGTCATTTTCATGATCACAAAATTTGTTCCAGGACAGA
CATAGAAACAGAAGAAATAGACTTCGTAAGATCAACTTAAAAAATTCCTGACATAAAATTTAAAAAGG
GAGATGAGTACGATGTGTGTGCTATCTGTCTGGAGGAGTATGAAGACGGAGATAAGCTAAGGATCCCTCC
CTGCTCCCATGCTTATCATTGCAAGTGTGTAGATCCCTGGCTAACTAAAACAAAAAGACCTGTCCAGTC
TGCAAAACAAAAGTTGTTCCCTTCCAAGTGACTCGGACTCTGACACAGACAGCAGTCAGGAAGAAAAC
AAGTGTACAGACACACCCCTTACTTCCACCCTCAGCTTCTGCCAGGACCCAGTCATTTGGGTCTCTGTC
AGAATCCCACTCACATCACAACATGACAGAGTCTTCAGACTACGAGGACGACGACAATGAAGAGACCGAC
AGCAGTGACGACAGACAACGAAATACCGACCACAGTGTGTGGTCCAGCTGCAGCCGAACGGTGAGCAGG
ATTACAACATAGCAAATACTGTG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205943 representing BC058182
 Red=Cloning site Green=Tags(s)

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  MLLSIGMLMLSATQVYITLVQLFAFLNLLPVEADILAYNFENASQTFEDLPAFGYRLPAEGLKGFLLN
  SKPENACEPIVPPPLKDNSSGTFIVLIRRLDCNFDIKVLNAQRAGYKAAIVHNVSDDLLISMGSNIDTL
  KKIDIPSVFIGESSANSLKDEFTYEKGGHIIILVPELSLPLEYYLIPFLIIVGICLILIVIFMITKVFQDR
  HRNRRNRLRKDQLKKLPHKFKKDEYDVCAICLEEYEDGDKLRILPCSHAYHCKCVPWLTKTKKTCPV
  CKQKVVPVSPQGDSDSDTSSQEENQVSEHTPLLPASARTQSFGLSESHSHHNMTESSDYEDDDNEETD
  SSDADNEITDHSVVVQLQPNGEQDYNIANTV
  
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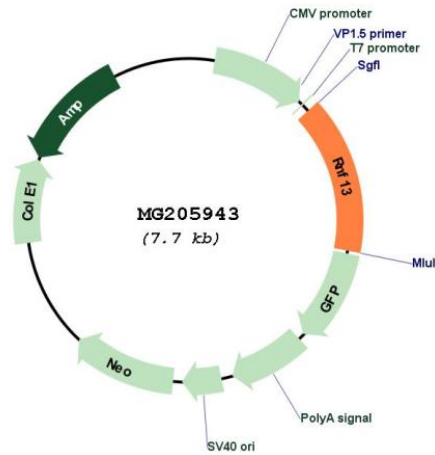
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC058182

ORF Size:	1145 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:	<ol style="list-style-type: none">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:	BC058182 , AAH58182
RefSeq Size:	2240 bp
RefSeq ORF:	1145 bp
Locus ID:	24017
Cytogenetics:	3 D
Gene Summary:	This gene encodes a member of the PA-TM-RING family of proteins that contain a protease associated (PA) domain and a RING finger domain separated by a transmembrane (TM) domain. The encoded protein is an E3 ubiquitin ligase localized to the endosomal-lysosomal vesicles and inner nuclear membrane. Mice lacking the encoded protein have impaired learning abilities associated with a decreased synaptic vesicle density and dysregulated SNARE complex assembly. Alternative splicing of this gene results in multiple transcript variants. A pseudogene for this gene has been identified on the X chromosome. [provided by RefSeq, Jan 2015]