

Product datasheet for **MG205854**

Rnf34 (NM_030564) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf34 (NM_030564) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnf34
Synonyms:	AW061037; AW536122; BC004042; C88279; RIFF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205854 representing NM_030564 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCGGGTCTACTTCTATGTGGGCTTCATGCTGTGGGCTGCTGAATGAAGTCATGGAACTGGAG
CTGTCCGAGGCCAGCAGGCGGGATTTCCGGGAAGCACTGGCCATTAGATTTACACCGAGCTCTGACTT
CCCCACCTACCCACCAGCAGCTACTGAAGGACCAATATAGTTTGCAAAGCCTGTGGGCTTTCGTTTTCA
GTCTTTAGAAAGAAGCATGTCTGCTGTGACTGCAAGAAGGATTTCTGCTCCCTCTGCTCAGTCTCCCAAG
AAAACCTCCGAGATGTTCTACTTGTACCTACTACAAGAGACGGCCTTCCAGCGCCCTCAGTTGATGCG
ACTAAAAGTGAAGGACCTGCGGCAGTATCTCCTCCTCAGAAACATACCAACCGACTTGTGCTGAGAAG
GAAGACTTGTTGGATCTAGTACTGTGCCACCGTGGACTAGGCTCAGGGGATGACCTGGACTCAAGTAGCC
TGAATTCCTCAAGGTCCCAGACTTCTAGTTTTTTTACACAGTCCCTCTTTCAAATTACACTCCTCCCTC
TGCTACTGTGCTCCTTCCAGGGAGAGCTCATGGACAGAGATGGCGCCTTCCAGATCAGAAGTCTGGCA
CAGGTACAAAGTGAATAGCTTCCAGCAACACAGATGATGATGACGACGACGATGATGATGACGACGATG
ATGAAGATGACGACGACGAACAAGAGGAGGAGGAACAGAACCCGGGGCTCTCTAAAAGAAAGCAAGAGC
TTCCCTGTCTGACCTCTCAAGCCTTGAAGAGGTAGAAGGGATGAGTGTGCCAGCTGAAGGAGATCCTG
GCTCGGAATTTGTCAACTATTTGGCTGTTGTGAAAAATGGGAGCTGGTAGAAAAGTCAACCGGCTGT
ACAAAGAGAATGAAGAAAACAAAAGTCAATGTTGAGCGGATGCAACTCAGGATGAGGAAGATGACAG
CCTGTGCCGAATCTGCATGGATGCGGTCATTGACTGTGTCTGCTGGAGTGGGGCACATGGTCACTGTC
ACCAAGTGTGGCAAGCGAATGAGTGAGTGTCCCATCTGCAGGCAGTATGTGGTTCGAGCTGTGCATGTTT
TTAAGTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205854 representing NM_030564
 Red=Cloning site Green=Tags(s)

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MKAGATSMWASCCGLLNEVMGTGAVRGQQAGFPGSTGPFRTFPPSSDFPTYPPAATEGPNIVCKACGLSFS
VFRKKHVCCDCKKDFCSLCSVSQENLRRCSTCHLLQETAFQRPQLMRLKVKDLRQYLLLRNIPTDTCREK
EDLVDLVLCHRGLGSGDDL DSSSLN SSRSTSSFF TQSLF SNYTPSATVSSFQGELMDRDGAFRSEVLA
QVQSEIASANTDDDDDDDDDDDDDEQEEEEQNPLSKKKARASLSDLSSLEEVGMSVRQLKEIL
ARNFVNYSGCCEKWELVEKVNRLYKENEENQKSYGERMQLQDEEDDSLRCICMDAVIDCVLLECGHMVTC
TKCGKRMSECPICRQYVVRVAVHFVKS
  
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TRTRPLE - GFP Tag - V

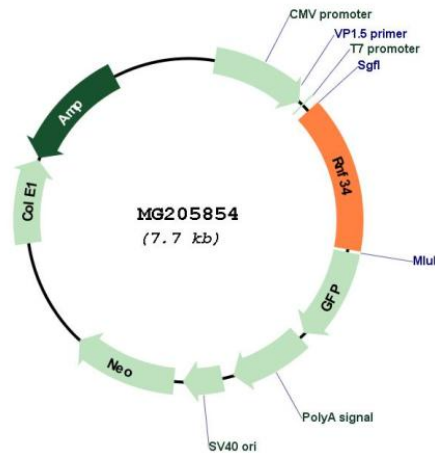
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_030564

ORF Size:	1128 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:	NM_030564.1 , NP_085041.1
RefSeq Size:	1980 bp
RefSeq ORF:	1131 bp
Locus ID:	80751
UniProt ID:	Q99KR6
Cytogenetics:	5 F
Gene Summary:	E3 ubiquitin-protein ligase that regulates several biological processes through the ubiquitin-mediated proteasomal degradation of various target proteins. Ubiquitinates the caspases CASP8 and CASP10, promoting their proteasomal degradation, to negatively regulate cell death downstream of death domain receptors in the extrinsic pathway of apoptosis. May mediate 'Lys-48'-linked polyubiquitination of RIPK1 and its subsequent proteasomal degradation thereby indirectly regulating the tumor necrosis factor-mediated signaling pathway. Negatively regulates p53/TP53 through its direct ubiquitination and targeting to proteasomal degradation. Indirectly, may also negatively regulate p53/TP53 through ubiquitination and degradation of SFN. Mediates PPARGC1A proteasomal degradation probably through ubiquitination thereby indirectly regulating the metabolism of brown fat cells (PubMed:22064484). Possibly involved in innate immunity, through 'Lys-48'-linked polyubiquitination of NOD1 and its subsequent proteasomal degradation.[UniProtKB/Swiss-Prot Function]