

## Product datasheet for **MG206960**

### Relt (NM\_177073) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Relt (NM_177073) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Relt
Synonyms:	E430021K24Rik; Tnfrsf19l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206960 representing NM_177073 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCACTCCAGGGCCTGATGATGAAGCGGACCTTGCTGTGCTGGCCCCTGTCTTGCCTCTTTGTGCTGC  
TGCCCTGGCCTCTGGCCACTCCAACACCAATAACTCCTTGGCTGTGTCCACCTGGCAAAGAGCCTGACCC  
AGATCCAGGACAGGGCACATTATGCAGAACTTGCCCCCAGGAACCTTTTCAGCCTCATGGAACCTCTAT  
CCATGCCAGCCTCATTACCGATGCAGCCTTCAAAGAGGCTGGAGGCCAGGCTGGCACAGCAACTCATG  
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CCTGGTGTGCAACCTGCTCAAGCGGAAGGGCTACCATTGCACAGCCAAAAGGAAGTTGGGCCAGCCCT  
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TGGTGCCTGATCACAGAGAAGAAAGAGAATGCAGCGGCCCTGGAGGAGCTGTTGAAAGAATATCACAG  
CAAACAGCTGGTACAGACAAGTACAGGCCTGTACCCAGGCTGCTGCCGGCTCACCCAGCATACCCAC  
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CCTTCTGCCTACTGCATCCAGGGCTCCCAAGGCTAGTGCCAAGCCAGGACGTGAGGGCAGATTACCATC  
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AGACCATCACGGAGGCTGGCCTTCAGAGGGTGTCTCCCTGACTCCCCACAGCCTGGTCTTCCCCCGA  
GCAGCGGGCACTGCTGGGAAGTGGTGGGAGCCATACTAAGTGGTTGAAGCCCCAGCAGAGAACAAAGCT  
GAGGAGAACCCTATGTGGTCCGGCTAAGTGAAGCAACCTGGTCATC

**ACCGTACGGCGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206960 representing NM\_177073  
 Red=Cloning site Green=Tags(s)

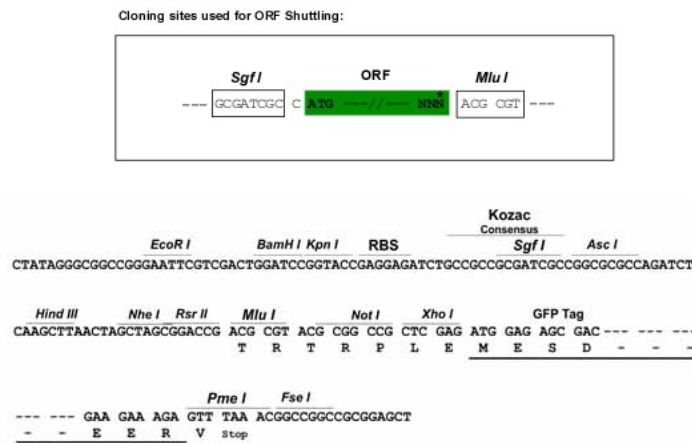
MSLQGLMMKRTLWCPLSCLFVLLPWPLATPTIPWLCPPGKEPDPDGGQTLCRTCPPGTFSASWNSY  
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 VAAGTSSNGEPRQPGNGTRAGGPEETAQYAVIAIVPVFCLMGLLGILVCNLLKRRKGYHCTAQKEVGPSP  
 GGGSGINPAYRTEDANEDTIGLVRLITEKENAAALEELLKEYHSKQLVQTSHRPVPRLLPASPSIPH  
 ICPHHHLHTVQGLASLSGPCCSRCSQKWPEVLLSPEAAAATTPAPTLLPTASRAPKASAKPGRQGEITI  
 LSVGRFRVARIQRTSLLSEVKTITEAGPSEGDLPDSQPGLPPEQRALLGSGGSHTKWLKPPAENKA  
 EENRYVVRLSESNLVI

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1700\\_a11.zip](https://cdn.origene.com/chromatograms/ja1700_a11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_177073

**ORF Size:** 1308 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\_177073.6, NP\_796047.2

**RefSeq Size:** 2796 bp

**RefSeq ORF:** 1311 bp

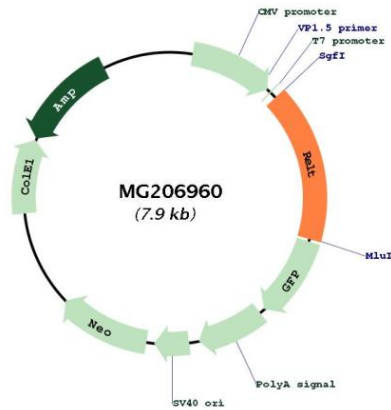
**Locus ID:** 320100

**UniProt ID:** Q8BX43

**Cytogenetics:** 7 E2

**Gene Summary:** May play a role in apoptosis. Induces activation of MAPK14/p38 and MAPK8/JNK MAPK cascades, when overexpressed.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG206960