

## Product datasheet for **RG204664**

### **RAGE (AGER) (NM\_001136) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RAGE (AGER) (NM_001136) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AGER
Synonyms:	RAGE; SCARJ1
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RG204664 representing NM_001136 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGGCAGCCGGAACAGCAGTTGGAGCCTGGGTGCTGGTCTCAGTCTGTGGGGGCGAGTAGTAGGTGCTC  
AAAACATCACAGCCCGATTGGCGAGCCACTGGTCTGAAGTGTAAAGGGGCCCCAAGAAACCACCCCA  
GCGGCTGGAATGGAACTGAACACAGGCCGGACAGAAGCTTGAAGGTCTGTCTCCCCAGGGAGGAGGC  
CCCTGGGACAGTGTGGCTCGTGTCTTCCCAACGGCTCCCTCTTCCCTCCGGCTGTCTGGGATCCAGGATG  
AGGGGATTTCCGGTGCCAGGCAATGAACAGGAATGAAAGGAGACCAAGTCCAACCTACCGAGTCCGTGT  
CTACCAGATTCCTGGGAAGCCAGAAATTGTAGATTCTGCCTCTGAACTCACGGCTGGTGTCCCAATAAG  
GTGGGGACATGTGTGTCAGAGGGAAGCTACCCTGCAGGGACTCTTAGCTGGCACTGGATGGGAAGCCCC  
TGGTGCCTAATGAGAAGGGAGTATCTGTGAAGGAACAGACCAGGAGACACCCTGAGACAGGGCTCTTAC  
ACTGCAGTCGGAGCTAATGGTGACCCAGCCCGGGGAGGAGATCCCCGTCCCACCTTCTCCTGTAGCTTC  
AGCCCAGGCCTTCCCCGACACCCGGCCCTTGCACAGCCCCATCCAGCCCCGTGTCTGGGAGCCCTGTGC  
CTCTGGAGGAGTCCAATTGGTGGTGGAGCCAGAAGGTGGAGCAGTAGCTCCTGGTGGAAACCGTAACCT  
GACCTGTGAAGTCCCTGCCAGCCCTCTCCTCAAATCCACTGGATGAAGGATGGTGTGCCCTTGCCCTT  
CCCCCAGCCCTGTGCTGATCCTCCCTGAGATAGGGCCTCAGGACCAGGGAACCTACAGCTGTGTGGCCA  
CCCATTCCAGCCACGGGCCCCAGGAAAGCCGTGCTGTCAGCATCAGCATCATCGAACCCAGGCGAGGAGGG  
GCCAATGCAGGCTCTGTGGGAGGATCAGGGCTGGGAACCTTAGCCCTGGCCCTGGGGATCCTGGGAGGC  
CTGGGGACAGCCGCCCTGCTCATTGGGGTCATCTTGTGGCAAAGGCGGCAACGCCGAGGAGAGGAGGA  
AGGCCCCAGAAAACCAGGAGGAAGAGGAGGAGCGTGCAGAACTGAATCAGTCGGAGGAACCTGAGGCAGG  
CGAGAGTAGTACTGGAGGGCCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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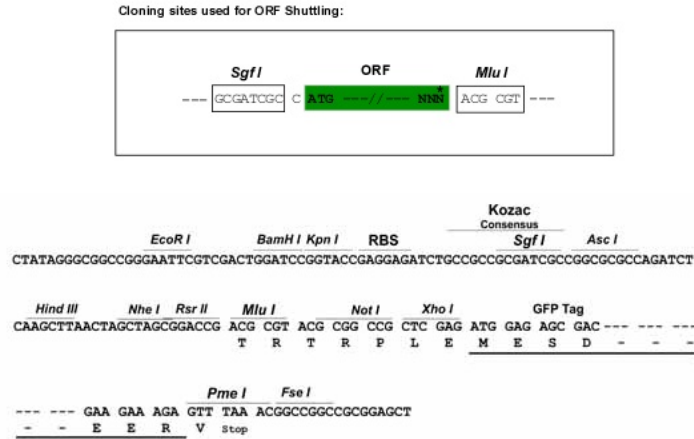
Protein Sequence: >RG204664 representing NM\_001136  
 Red=Cloning site Green=Tags(s)

MAAGTAVGAWVLVLSLWGAVVGAQNITARIGEPLVLKCKGAPKKPPQRLEWKLNTGRTEAWKVLSPQGGG  
 PWDSVARVLPNGSLFLPAVGIQDEGIFRCQAMNRRNGKETKSNYRVRVYQIPGKPEIVDSASELTAGVPNK  
 VGTVCVSEGSYPAGTLSWHLDGKPLVPNEKGVSVKEQTRRHPETGLFTLQSELMVTPARGGDDPRPTFSCSF  
 SPGLPRHRALRTAPIQPRVWEPVPLEEVQLVVEPEGGAVAPGGTVTLTCEVPAQPSPQIHWMKDGVPLPL  
 PPSPVLILPEIGPDQGTYSVATHSSHGPDQESRAVSIISIEPGEEGPTAGSVGSSGLGLTALALGILGG  
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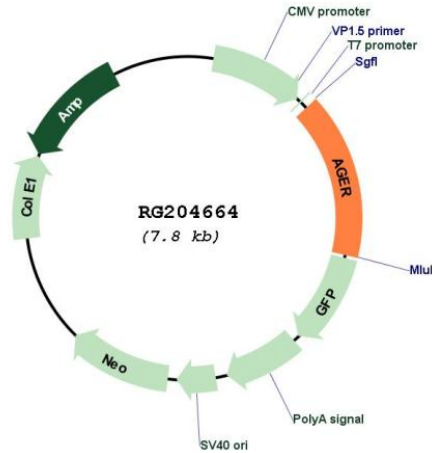
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001136

<b>ORF Size:</b>	1212 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">NM_001136.3</a> , <a href="#">NP_001127.1</a>
<b>RefSeq Size:</b>	1414 bp
<b>RefSeq ORF:</b>	1215 bp
<b>Locus ID:</b>	177
<b>Cytogenetics:</b>	6p21.32
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Gene Summary:</b>	The advanced glycosylation end product (AGE) receptor encoded by this gene is a member of the immunoglobulin superfamily of cell surface receptors. It is a multiligand receptor, and besides AGE, interacts with other molecules implicated in homeostasis, development, and inflammation, and certain diseases, such as diabetes and Alzheimer's disease. Many alternatively spliced transcript variants encoding different isoforms, as well as non-protein-coding variants, have been described for this gene (PMID:18089847). [provided by RefSeq, May 2011]