

Product datasheet for **RC204664**

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: Myc-DDK
Symbol: RAGE
Synonyms: RAGE; SCARJ1; sRAGE
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC204664 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

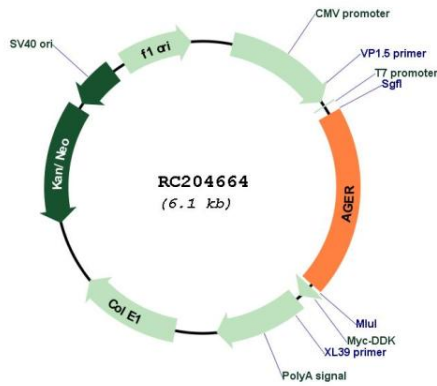
ATGGCAGCCGGAACAGCAGTTGGAGCCTGGGTGCTGGTCTCAGTCTGTGGGGGCGAGTAGTAGGTGCTC
 AAAACATCACAGCCCGATTGGCGAGCCACTGGTCTGAAGTGTAAAGGGGCCCCAAGAAACCACCCCA
 GCGGCTGGAATGAAACTGAACACAGGCCGACAGAAGCTTGAAGGTCTGTCTCCCCAGGGAGGAGGC
 CCCTGGGACAGTGTGGCTCGTGTCTTCCCAACGGCTCCCTCTTCCCTCCGGCTGTGGGATCCAGGATG
 AGGGGATTTTCCGGTGCCAGGCAATGAACAGGAATGAAAGGAGACCAAGTCCAACCTACCGAGTCCGTGT
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 GTGGGGACATGTGTGTCAGAGGGAAGCTACCCTGCAGGGACTCTTAGCTGGCACTTGATGGGAAGCCCC
 TGGTGCCTAATGAGAAGGGAGTATCTGTGAAGGAACAGACCAGGAGACACCCTGAGACAGGGCTCTTAC
 ACTGCAGTCGGAGCTAATGGTGACCCAGCCCGGGGAGGAGATCCCCGTCCCACCTTCTCCTGTAGCTTC
 AGCCCAGGCCTTCCCGACACCGGGCCTTGCGCACAGCCCCATCCAGCCCCGTGTCTGGGAGCCTGTGC
 CTCTGGAGGAGTCCAATTGGTGGTGGAGCCAGAAGGTGGAGCAGTAGCTCCTGGTGAACCGTAACCT
 GACCTGTGAAGTCCCTGCCAGCCCTCTCCTCAAATCCACTGGATGAAGGATGGTGTGCCCTTGCCCTT
 CCCCCAGCCCTGTGCTGATCCTCCCTGAGATAGGGCTCAGGACCAGGGAACCTACAGCTGTGTGGCCA
 CCATTCCAGCCACGGGCCCCAGGAAAGCCGTGCTGTGAGCATCAGCATCATCGAACCCAGGCGAGGAGGG
 GCAAACCTGCAGGCTCTGTGGGAGGATCAGGGCTGGGAACCTTAGCCCTGGCCCTGGGGATCCTGGGAGGC
 CTGGGGACAGCCGCCCTGCTCATTGGGGTCACTTGTGGCAAAGGCGGCAACGCCAGGAGAGGAGAGGA
 AGGCCCCAGAAAACCAGGAGGAAGAGGAGGAGCGTGCAGAACTGAATCAGTCGGAGGAACCTGAGGCAGG
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 ACAAGGATGACGACGATAAGGTTTAA

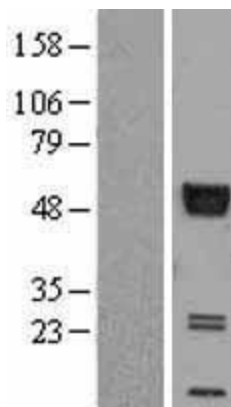


Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001136.4
RefSeq Size:	1508 bp
RefSeq ORF:	1215 bp
Locus ID:	177
UniProt ID:	Q15109
Cytogenetics:	6p21.32
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	42.8 kDa
Gene Summary:	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]

Product images:



Circular map for RC204664



Western blot validation of overexpression lysate (Cat# [LY400460]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204664 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).