

Product datasheet for **MC218286**

Rage (BC087925) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rage (BC087925) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rage
Synonyms: MGC46883, MOK, RAGE1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC087925
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGAGGAGAAGACACCCATTATCAGAGAAAAAGATTATGCTCTACATGTATCAGCTGTGCAAATCGC
TGGACCACATGCACAGAAACGGGATCTTTCACAGAGACGTGAAGCCGGAGAATATCTAGTAAAGCAGGA
TGTCTGAACTAGGGGACTTCGGGTATGCCGGAGTGTCTATTCCAAGCAGCCCTACACAGAGTACATC
TCTACCCGGTGGTACCGGCCCCAGAGTGTCTCCTCACCGACGGTCTACACATACAAGATGGACCTGT
GGAGCGCTGGCTGCGTGTCTACGAGATTGCCAGGGCAGCTGAGACACAGACCCTGGCCAAACACAGAAG
AGCTTTCTGTCCCAAGTTCTCCATGGTCCAGAATCATCCAGTCACAACTGGTCATTCTCACAGGAAGGC
AGAAAGCAGAAACAGTCCCTGCGGCACGAGGAGGGCCATGCCAGACGACAGGGGCCGACCAGCTTGATGG
AGCTTCCCAAAGTGGGCTGTCCGGAATGACCAAAGTGTATCATGTTCCAGCCCTGCACTGCGGTCAGT
GCTGGGCACTGGAGCAAATGGAAAAGTCCCTGTGCTGAGACCCCTGAAGTGTGCTGTGTAACAAGAAG
ACAGACACGCAGAAGGACATCAAACCTCACCTGAAACACTATCACCTGCCACGATCAACAGGAAAGGGG
CGGAATACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC087925
Insert Size: 711 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC087925 , AAH87925
RefSeq Size:	1161 bp
RefSeq ORF:	710 bp
Locus ID:	26448
Cytogenetics:	12 F1
Gene Summary:	Able to phosphorylate several exogenous substrates and to undergo autophosphorylation (PubMed:10421840). Negatively regulates cilium length in a cAMP and mTORC1 signaling-dependent manner (PubMed:25243405).[UniProtKB/Swiss-Prot Function]