

## Product datasheet for **RR200880**

### Adgre1 (NM\_001007557) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adgre1 (NM_001007557) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adgre1
Synonyms:	Emr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR200880 representing NM\_001007557  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGGGCTTTTGGCTGCTCCTTCTGGGGCTTCAGTGAACGCACAGATGGGGGATGACCACACTTG  
 CCATCCTGGGACAAAGACTTAACGGTGTGAATGAATGTCAAGACACTACCACTTGTCCAGCTTATGCCAC  
 CTGCACTGACACCACGGAGAGTTATTACTGTACCTGTAACAAGTTTTCTGCCAGCAATGGACAAACC  
 AACTTTACAGGGCCAGGAGTGAATGTCAAGATGTTAATGAATGTCTTAGAAGCGACTCGCCTTGTGGTT  
 CTAAGTCACTGACCAATATCCAGGACGAGCCAGGTGCAGTTGTCTTAGTGGCTTCTTCTCCGC  
 TGGTGAAGTGGATCCTGGGAAGTCCGGGTCATTTTCTGACAGATGTTGACGAGTGTGACAATT  
 GGGATCTGCCCTAAGAATTCTAAGTCTAAGTCTGTGGGGAGCTACAGCTGCACCTGCCAATCAGGCT  
 TTGTCTCGAATGGCTCCACTTGTGAAGATGAAGATGAATGTGTGACTCGTAATGCTTGCCAGAGCATGC  
 AACCTGCCACAACACTCTTGAAGCTATTATTGTACATGCAACGAAGACTTGAATTTAGTGGAGGAGGA  
 CCAATGTTCCAGGGCCTGGAAGAATCTTGTGAAGATGTGGATGAGTGCTCCAGGAATCAACGCTTTGTG  
 GTCCCTCCTTCATTTGCATCAACACGCTGGGATCCTACAGCTGTTCTTGCCAGCTGGATTCTTTTGTG  
 AACTTTTCAGATCCCTGGTCATCCAGCAGATGGGAATTGTACAGATATAGATGAGTGTGATGACATATGC  
 CCTTCAAACATCATGTACCAACACCCTTGGGAGCTACTTCTGCACTTGCCACCCTGGCTTTGCCTCAA  
 GCAATGGACAGCTGAATTTACAGACCAAGAAGTGACATGTGAAGATATTGATGAGTGCACCTCAAGATCC  
 ATTTTCGATGTGGACGAAATCTTCTGACCAATGTACCAGGTTCTACAACGACAGTGTCTTCCCGAC  
 TTTTCGAATGGATCCAGGAGGCTCCCAAGCACATGGAACTTACATGCAAAAGGATTCCCTTCAAGTGTA  
 AGGAAGACTTGATACCCAAAAGTGAGCAGATAGAGCAGTGCCAAAGCAGGGCAAGGCCGGAATCTTGATTA  
 TACTTCTTCTGACATTTGTGAATGCCACCTTACCATCCTGGATAACACCTGTGAAAACAAAAGTGCT  
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 TCAGCAGGGAAGAGACATCTACTCTGGGCACTATCTTGTGAGACTGTGAAAGCACCATGTTGGCTGC  
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 ATCAATGAAGAATGCAATGAGGAGAATGTGTCCATTAACCTGAAAGCCAGAGGGGACAAGATGGATGTTG  
 GCTGTTTCATAATCAAAGAATCAGAATCTACAGGGACCCAGGAGTGGCTTTTGTCTCCTTGCACACAT  
 GGACTCAGTTTTAGATGAGCGCTTCTTTGAAGATGGTCAGGCCTCCTGAAACTGAGGATGAATCCCAT  
 GTTGTGGTGGCACTGTAACCGGGGAGAGGAAGGAGGACTTCTCAAGCCTATCGTCTATACCCTCCAGC  
 ACATCCAGCCAAAGCAGAAGTCTGAGAGGTCTATATGTGTCTCCTGGAACACCGATGTGGAGGATGGGAG  
 ATGGACACCCTCGGGCTGTGAGACTGTAGAAGCATCTGAGACACACACAGTCTGCAGCTGTAACCGGATG  
 ACAAATTTGGCCATCATCATGGCTTCTGGGGAGCTTACAATGGAATTTTCTTGTATATCATCAGCTATG  
 TGGGTACAGTCATCTCTGGTATGTCTCGCCTTGGCCATAGCCACCTTCTGTTGTTTCGTGCAGTTCA  
 GAACCACAACACCTACCTGCACCTGCACCTTTGTGTGTCTCTTCTTGGCCAAGATTCTTCTCCTCACC  
 GGTATAGACAAGACTGACAACCAGACAGCTTGCCTATCATTGCGGGATTCTACACTATCTTTTCTTGT  
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 TTATTTACGCTCTCGCAACATCAAGATGCTGCACCTCTGTGCCTTTGGCTATGGGCTCCAGTCTGGTG  
 GTCATTATCTCTGCTACTGTACATCCATGGGGCTATGGAATGCATAATCGCTGCTGGCTGAATACGGAGA  
 CAGGATTCATTTGGAGTTTCTTGGGGCCAGTCTGCATGATCATCACGATCAACTCTGCCCTCCTTGCCTG  
 GACACTGTGGGTGCTGAGGCAGAAGCTCTGCAGTGTCAACTCAGAAGTCTCTAAGCTCAAGGATACGAGG  
 TTGCTGACCTTCAAGGCCATTGCCAGATTTTCATCTTGGGTTGCTCCTGGGTGCTGGGCATTTTCCAGA  
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 CCTCATTCACTGTCTGCTCAACCGCCAGGTACGAGATGAATATAGGAACTCCTCACCAGGAAGACTGAT  
 CTTAGCTCCCATCCAGACTTCTGGGATTTACTGTCATCTATGCCTTCCACTTCTAAGACGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGGTTTAA

**Protein Sequence:** >RR200880 representing NM\_001007557  
 Red=Cloning site Green=Tags(s)

MWGFWLLLFWGFSGTHRWGMTTLAILGQRLNGVNECQDTTTCPAYATCTDTTESYYCTCKQGFSPNGQT  
 NFQGPVVECDVNECLRSDSPCGSNSVCTNIPGRARCSLSGFSSSAGGSWILGSPGHFLCTDVDECLTI  
 GICPKNSNCSNSVGSYSCTCQSGFVSNSTCEDEDECVTRNACPEHATCHNTLGSYYCTCNEGLEFSGGG  
 PMFQGLEESCEDVDECSRNLTCGSPFICINTLGSYSCSPAGFSLSTFQIPGHPADGNCDDIDECDDIC  
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 PVSLSQAATSVSMLMEQASTWFEFSREETSTLGTILLETVESTMLAALLTPSGNASQTI RTEYLEIESKV  
 INEECNEENVISINLKARGDKMDVGC FIIKESESTGTPGVAFVSFAHMDSVLDERFFEDGQASWKL RMNSH  
 VVGGT VTGERKEDFSKPIVYTLQHIQPKQK SERSICVSWNTDVEDGRWTPSGCETVEASEHTVCSNRM  
 TNLAIIMASGELTMEFSLYIISYVGTVISLVCLALAIATFLLFRAVQNHNTYLHLHL CVCLFLAKILFLT  
 GIDKTDNQ TACAIAGFLHYLFLACFFWMLVEAVMLFLMVRNLKVVNYFSSRNKMLHLCAFGYGLPVVV  
 VIISATVHPWGYGMHNRCLNTE TGF IWSFLGPVCMIIITINSALLAWTLWVLRQKLC SVNSEVSKLKDTR  
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 LSSHSQTS GILLSSMPSTSKTG

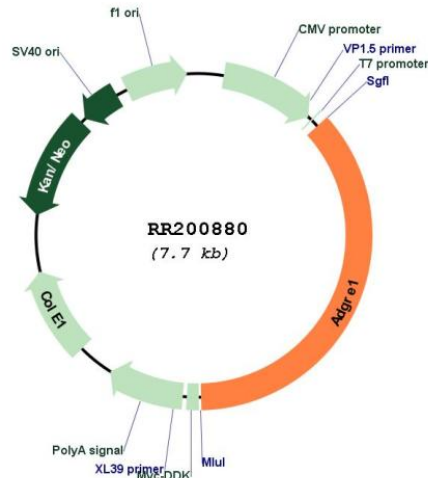
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001007557

**ORF Size:** 2796 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\\_001007557.1](#), [NP\\_001007558.1](#)

**RefSeq Size:** 3228 bp

**RefSeq ORF:** 2799 bp

**Locus ID:** 316137

**UniProt ID:** [Q5Y4N8](#)

**Cytogenetics:** 9q12

**MW:** 102.3 kDa

**Gene Summary:** Orphan receptor involved in cell adhesion and probably in cell-cell interactions involved specifically cells of the immune system. May play a role in regulatory T-cells (Treg) development.[UniProtKB/Swiss-Prot Function]