

Product datasheet for **RR204939**

Aimp1 (NM_053757) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aimp1 (NM_053757) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Aimp1
Synonyms: Emap2; Scye1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204939 representing NM_053757
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATTTTCTGCCGATTCTGGGAAAGATGGCCACCAATGATGCTGTTCTGAAGCGGCTGGAGCAGAAAG
GCGCAGAGGCGGATCAGATCATTGAGTATCTCAAGCAGCAGGTTGCTCTTCTCAAGGAGAAAGCAATTTT
GCAGGCAACTTTGAGAGAAGAAAAGAACTTCAAGTTGAAAATGCTAACTGAAAAAGAAATAGAAGAA
CTAAAGCAAGAGTTGATTCAGGCAGAAATTCATAATGGAGTGAAGCAGGTGCCTGTCCCATCGAGTTCTT
CACTGGAGACTCATTGTTCCGTTTCTGAAAAGTGTGACTCGGTCTGCATCAGTAACAACCACCACCATGAC
CGGAGGGGGAGGGGAAGAAAAGAAGTAAAAGAGAAGACGGAAAAGAAAGGAGAGAAAAAGGAGAAGAAG
CAGCAGTCAGCGGCAGCAAGTGCTGATTCGAAGCCTGTCGACGTATCACGCCTGGATCTTCGAATTGGAT
GTATTGCTACTGCCAAAAACACCCGGATGCAGATTCGTTGTATGTGGAGGAAGTCGATGTTGGGAGAAGC
AGCTCCACGGACGGTCGTCAGCGGGCTGGTGAATCATGTCCTCTAGAACAGATGCAAAACCGGATGGTG
GTTTTGCTTTGTAATCTGAAGCCTGCAAAAATGCGGGGAGTGTCTCCCAAGCAATGGTGATGTGCCCA
GTTACCAGAGAAAGTGGAGATTTTGGCCCTCCCAACGGGCTGTTCTTGAGACAGAATTACTTTTGA
TGCTTTCCCTGGAGACCTGACAAGGAGCTGAACCCTAAGAAGAAGATCTGGGAGCAGATCCAGCCTGAC
CTGCACACCAATGATGAGTGTGTAGCCACATACAAGGAGCTCCCTTTGAGGTGAAGGGGAAGGAGTTT
GCAGGGCCCAACCATGGCCAACAGCGGAATTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204939 representing NM_053757
Red=Cloning site Green=Tags(s)

MIFCRFWGKMATNDAVLKRLKLEQKGAADQIIIEYLKQQVALLKEKAILQATLREEKKLQVENAKLKEIEE
 LKQELIQAEIHNGVKQVPVSSSSLETHCSVSESVTRSASVTTTTMTGGGEEKVKKEKTEKKGEKKEK
 QQSAAAASADSKPVDVSRDLRIGCIVTAKKHPDADSLYVEEVDVGEAAPRTVVSGLVNHVPLEQMQRNV
 VLLCNLKPAMRGVLSQAMVMCASSPEKVEILAPPNGSVPGDRITFDAPGEPDKELNPKKKIWEQIQPD
 LHTNDECVATYKGAPFEVKGKGCRAQTMANSIGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

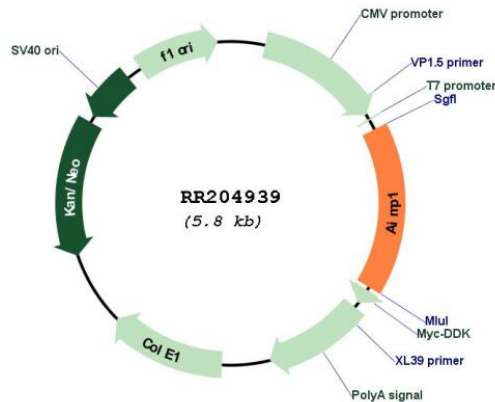
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053757

ORF Size: 945 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:	<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:	NM_053757.1 , NP_446209.1
RefSeq Size:	1081 bp
RefSeq ORF:	948 bp
Locus ID:	114632
Cytogenetics:	2q43
MW:	34.6 kDa
Gene Summary:	cytokine with proinflammatory and antiangiogenic properties [RGD, Feb 2006]