

Product datasheet for **RR213605**

Aar2 (NM_001106535) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aar2 (NM_001106535) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Aar2
Synonyms: RGD1311066
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213605 representing NM_001106535
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCATGCAGATGGATCCTGAGTTAGCCAAGCAACTCTTCTTTGAAGGAGCCACTGTGGTCATTC
TGAACATGCCCAAGGGGACAGAGTTTGGCATTGACTACAACCTCTGGGAGGTGGGGCCCAAGTTCGGGG
TGTGAAGATGATCCCCCTGGTGTCCACTTCTTTACTACAGCTCTGTGGACAAGCCAATCCCAGGGAG
GTGGGCCCTCGGATGGGCTTCTTCTTAGCCTGAAGCAGCGGGAGTTGACAGTCCCTGCGCTGGAATGCAG
TTCAGGAAGAGGTAGACCTGTCTCCAGCTCCAGAGGCTGAAGTAGAAGCCATGAGAGCCAATCTCCCAGA
GCTGGACCACTTCTGGGACCTTACCCATATGGTACACTCAAGAAGTGGATCTCACTCACCAACTTCATC
AGTGAGGCCACCATGGAGAAGCTGCAGCCTGAGAGCCGGCAGATCTGCGCCTTCTCAGATGTGCTTCCC
TGCTTTCCATGAGGTACACCAAGGACAGGGTGGAAACAGAACCTACCGCTCTGTGGCACCAGTGCAGAA
CTACCAAGAGGGCTTGGCCCGCTGCCTGAGATGAAGCCAGGGCGGGACAGAGATCCGCTTCTCAGAG
CTGCCACTCAGATGTTCCAGCAGGTGCCACACCAGCAGAGATCACCAGGCACAGCATGGACTTGAGCT
ATGCCCTCGAGACTGTGCTCAGCAAGCAGTTCCTGGCAACCCAGGATGTCCTTGGTGAACCTCCAGTT
TGCTTTGTGTGCTTCTGCTGGCAATGTGTATGAGGCATTTGAGCACTGGAAGCGGCTCCTGAACCTC
CTGTGTGGTCTGAAACTGCCATGGTGAAGCACCGCCCTGTACGTGAGCCTCATCTCCATCCTGTATC
ACCAGCTCGGTGAGATCCCGCTGACTTCTTTGTGGACATTGTCTCCAGGACAACCTTCTCACCAGTAC
CTTACAGGTTTTCTTTCTCCGCCTGCAGTGTGCTGTGGAAGCCACCTGAGGAAGAAGGCAGAAAAG
TTCCAAGCCACCTGACTAAGAAGTTCGCTGGGATTTACTTCAGAGCCAGAGGACTGCGCCCCAGTGG
TGGTGGAGCTCCCTGAGAACATCGAGACTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213605 representing NM_001106535
Red=Cloning site Green=Tags(s)

MASMQMDPELAKQLFFEGATVVILNMPKGFTEFGIDYNSWEVGPKFRGKVIKIPPGVHFLYSSVDKANPRE
 VGPRMGFFLSLKQRELTVLRWNAVQEEVDLSPAPEAEVEAMRANLPELDQFLGPYPYGTLLKKWISLTNFI
 SEATMEKLPESRQICAFSDVLPVLSMRYTKDRVEQNLPLCGTECRSYQEGLARLPEMKPRAGTEIRFSE
 LPTQMFPAGATPAEITRHSMDLSYALETVLSKQFPGNPQDVLGELQFAFVCFLLGNVYEAFAEHKRLNL
 LCRSETAMVKHHALYVSLISILYHQLGEIPADFFVDIVSQDNFLTSTLQVFFSSACSVAVEATLRKKAEK
 FQAHLTKKFRWDFTEPEDCAPVVVELPENIETA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

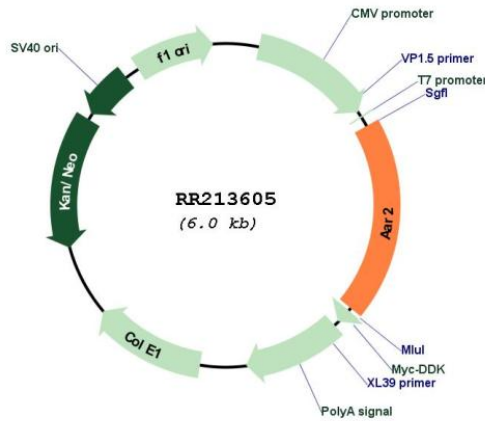
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001106535

ORF Size:	1152 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_001106535.1 , NP_001100005.1
RefSeq Size:	2643 bp
RefSeq ORF:	1155 bp
Locus ID:	296312
Cytogenetics:	3q42
MW:	43.5 kDa