

Product datasheet for **RR212210**

Gata1 (NM_012764) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gata1 (NM_012764) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gata1
Synonyms:	Eryf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212210 representing NM_012764 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATTTTCCTGGTCTAGGGGCCCTGGGAACCTCAGAACCTTGCCCCAGTTTGTGGATTCTGCCCTGG
TGTCTCGACATCAGACTCAGCGGGTTTCTTTCTCTGGGCTGAGAGTTTGGATACAGCATCTTCTCT
CACTTCTCCAAATGCAGCCACGGCAGCAGCCACGGCACTGGCCTACTACAGAGAAGCTGAGGCCTACAGA
CACTCCCCAGTCTTTAGGTGTACCCGCTGCTCAACAGTATGGAGGGAATCCCAGGGAGCTCACCTATG
CTAGCTGGGCTATAGCAAGACGGCGCTCTACCCTGCCTCAACTGTATGTCCCAGTCATGAGGATGCCCC
TTCCCAGACCCTGGAAGACCCAGATGGGAAGAACAACAATACATTCTGGAAACCTTGAAGACGGAGCGG
CTGAGTCCAGACCTCCTGACCCTGGGACTGCACTGCCTACATCACTCCCTGTCACCAGCAGTGCTTATG
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CCCCAAGTTTCATGGAAGCCTACCATTGGCTCCTTGTGAGGCCAGAGAGTGTGTAAGTGTGGAGCAACG
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ATGCACTAACTGTCAAACAACAACCACGACCCTCTGGCGGAGGAATGCCAGTGGAGACCCGGTGTGCAAT
GCCTGCGGCTCTACTACAAGCTGCACCAGGTGAACCGCCCACTGACCATGAGGAAAAGTGAATCCAGA
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CCAGGCTTGACACTGGGCACTGCAGTACTGCCATCTCTACCAGGGCCTGGGACCTGTGGTGTCTCAG
GGCCTGTCAGCCATCTTATGTCTTCCCTGGACCTCTGCTGGGATCGCCTACGGCCTCTCCCCACAGG
TCCTGTGCTACCACCACGACTAGCGTAGTGTCTCCACTCAGTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212210 representing NM_012764
Red=Cloning site Green=Tags(s)

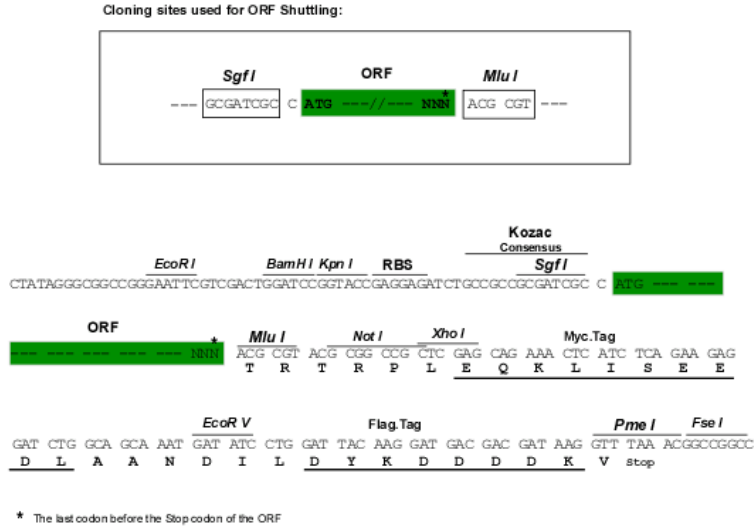
MDFPGLGALGTSEPLPQFVDSALVSSTSDSAGFFSSGPESLDTASSSTSPNAATAAATALAYYREAEAYR
HSPVFQVYPLLNSMEGIPGSSPYASWAYSKTALYPASTVCPSHEDAPSQTLEDPDGKNNNTFLETLKTER
LSPDLLTLGTALPTSLPVTSSAYGGADFPSPFFSPTGSPSSAAAYSSPKFHGSLPLAPCEARECVNCGAT
ATPLWRRDRTGHYLCNACGLYHKMNGQNRPLIRPKKRMIVSKRAGTQCTNCQTTTTLWRRNASGDPVCN
ACGLYYKLHQVNRPLTMRKDGIIQTRNRKASGKGGKRGSSLAGAGAAEGPAGGFMMVAGGSSSGNCGEVA
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

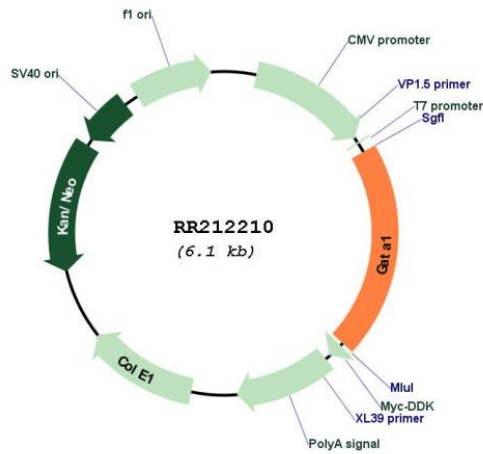
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012764

ORF Size:	1239 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_012764.1 , NP_036896.1
RefSeq Size:	1863 bp
RefSeq ORF:	1242 bp
Locus ID:	25172
UniProt ID:	P43429
Cytogenetics:	Xq12
MW:	42.9 kDa
Gene Summary:	transcription factor that may regulate transcription of serine dehydratase [RGD, Feb 2006]