

Product datasheet for **RR201346**

Allc (NM_001013037) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Allc (NM_001013037) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Allc
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201346 representing NM_001013037
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCTGATACTCCAAGGAGGGAAAGCTGACCAGATTTCTGGACTTTACCCAGCTGATTGATTTGGCCT
CTGAGTGGCTGGGAGGAAAGTTTTGTTTGCAACAGATGACTTTTTGGTCTGCAGAAAATCTCATAAA
GAGCAACAATCCGAGTTTTAAGGAAAATGAATACACTGAGTTGGGAAAATGGGTGGACGGATGGGAGACC
AGGCGCAAAAGAATTCCAGGTCACGACTGGTGTGTGATCCAACCTGGGAATACAGGGCATTATCCGTGGTA
TCGATGTGGATATTTCTTACTTCTCAGGAACTATGCTCCTCGAATGTCAATTCAAGCAGCAAATTGAG
TGAAGATACAGTGACAAACATCCACCAAGAGGAGTTAAGATGGGGGCTGCAGCGACGTCTGAGGAATTT
GTAGCCATTACTGAGCTGAAATCACACTCCTGGGATTACCTGGTCCCATGTCGGAGCTTAAGCCAGGGG
ACCCTGACTCCAGCCACAATAATTTTTTGTAAATCCCAGCAGAGATGGACTCATATAAGACTCAACAT
ATCCCAGATGGTGGCGTTGCACGCCTTCGAGTACGGTACTGGACAGAGAGACTGGGCTGCACTGGAT
TCCACGGAACCTGTAGACCTGGTGGCCATTGCTTTCGGGGGTGCTGTGTAGGATTTAGTAATGCACACT
TTGGACATCCAAATAATATGATAGGTGTTGGCGATCCTAAGTCCATAGCAGATGGTTGGGAAACAGCGAG
AAGACTGGACCGACCCCAAGTGTAGAAGTAACGAGAATGGCTTCTCCAGTCCAGGTTGTGAGTGG
GCAGTGTCCGATTGGCAGATCCTGGAGTCATCACTCAAATTTGAAATTGATACAAAGTACTTTAAAGGTA
ATTCTCCTGACAGCTGCAAAGTGGATGGGTGCATCCTGACCACCCTGGAAGAGGAAGACATGATCCGGCA
GAAGTGGAGTCTCCCGCCATAAGTGGAGGCCATTGCTTCCAGTACCAAGCTAACTCCTAACCAAAAT
CACTTGTGGACAGCCTGACCCTGGAGCTTCAGGATGTCATCACTCATGCCAGGATTACCATTGCCCTG
ATGGCGGTGTGAGCCGCCTTCGGCTCAAGGGCTCCCCAGTTCATATGTTTGTGCGGCCCTGAGGGA
GAAACCATGCTGAGATTCTCTTAAAGCGGGCTTCAGGGCGAATCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR201346 representing NM_001013037
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MADTPKEGKLTRFLDFTQLIDLASECVGGKVL FATDDFFGPAENLIKSNPSPFKENEYTEFGKWVDGWET
 RRRKRIPGHDWCVIQLGIQGIIRGIDVDISYFSGNYAPRMSIQAANLSEDTVNIIPRPGVKMGAAATSEEF
 VAITELKSHSWDYLVPMSELKPGDPDSSHNYFFVNSQQRWTHIRLNIIFPDGGVARLRVYGTGQRDWAALD
 STEPVDLVAIAFGVGVCGVFSNAHFGHPNNMIGVGDPKSIADGWETARRLDRPPVLEGNENGF LQVPGCEW
 AVFRLAHPGVITQIEIDTKYFKGNSPDCKVDGCILTTLEEEDMIRQKWSLPAHKWKPLLPTKLTLPNQN
 HLLDSL TLELQDVITHARIT IAPDGGVSRRLR LKGFSSICLLRPLREKPM LRFSLKAGFRANL

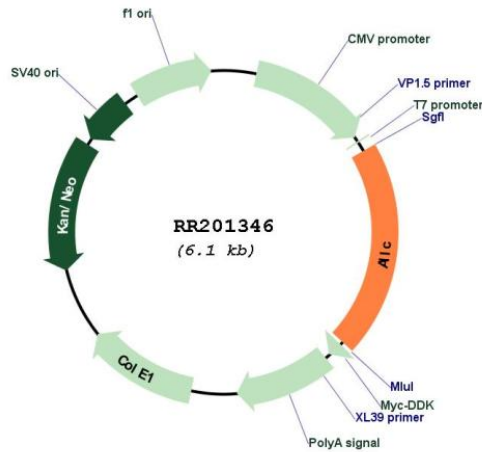
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013037

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_001013037.1 , NP_001013055.1
RefSeq Size:	1499 bp
RefSeq ORF:	1242 bp
Locus ID:	246758
UniProt ID:	Q6AYP0
Cytogenetics:	6q16
MW:	46 kDa
Gene Summary:	mouse and human sequences have similarity to an enzyme involved in uric acid catabolism, however, mammals do not exhibit enzyme activity [RGD, Feb 2006]