

Product datasheet for MR204727

Akr1a1 (NM_021473) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akr1a1 (NM_021473) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Akr1a1
Synonyms:	2610201A18Rik; Akr1a4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR204727 representing NM_021473 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGGCCTCCAGTGTCTCTGCACACTGGACAGAAGATGCCTCTGATTGGTCTGGGACATGGAAGA
GTGAGCCTGGTCAGGTGAAAGCAGCCATTAACATGCCCTTAGCGCAGGCTACCGCCACATTGATTGTGC
TTCTGTATATGGCAATGAACTGAGATTGGGGAGGCCCTGAAGGAGAGTGTGGGGTCAAGGACAGTC
CCTCGAGAGGAGCTGTTTGTGACATCCAAGCTGTGGAATACTAAGCACCACCTGAGGATGTAGAACCTG
CCCTCCGGAAGACACTGGCTGATCTGCAACTGGAGTATTTGGACCTCTATTTGATGCACTGGCCTTATGC
CTTTGAGCGGGGAGACAATCCCTTTCCCAAGAATGCCGATGGAAGTGCAGATATGACTCAACTCACTAT
AAAGAGACCTGGAAGGCTCTGGAGGTAAGTGGTGGCAAAGGGGCTGGTGAAGCCCTGGGCTTGCCAACT
TCAACAGTCGGCAGATTGATGATGTCCTCAGTGTGGCCTCTGTGCGCCAGCTGTCTTGCAGGTGGAATG
CCATCCATACCTGGCTCAGAATGAGCTCATTGCCACTGTCACGCACGGGCTTGAGGTGACTGCTTAT
AGCCCCTTGGGTTCCCTGACCGTGTCTGGCGCCATCCTGATGAGCCAGTCTGCTTGAAGAACCAGTAG
TCTTGGCACTAGCTGAAAAACATGGCCGATCTCCAGCTCAGATCTTGTAGATGCAGGTTGAGGGAA
AGTGATCTGCATCCCCAAAAGCATCAATCCTTCCGCATCCTTCCGAAACATTGAGGATTTGATTTACCC
TTTAGCCAGAGGAGATGAAACAATTAGATGCTCTGAACAAAAATTGGCGGTATATTGTGCCATGATTA
CGGTGGATGGGAAGAGGGTTCCAGAGATGCTGGACACCTCTGTATCCCTTTAATGACCCATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204727 representing NM_021473
 Red=Cloning site Green=Tags(s)

MTASSVLLHTGQKMPLIGLGTWKSEPGQVKAALKHALSAGYRHIDCASVYGNETEIGEALKESVSGKAV
 PREELFVTSKLVNTKHHPEDEVPAALRKTADLQLEYLDLYLMHWPYAFERGNPFPKNADGTVRYDSTHY
 KETWKALEVLVAKGLVKALGLSNFNSRQIDDLVSVASVRPAVLQVECHPYLAQNELIAHCHARGLEVTAY
 SPLGSSDRAWRHPDEPVLLLEPVVLAALAEKHGRSPAQILLRWQVQRKVICIPKSIINPSRILQNIQVDFDT
 FSPEEMKQLDALNKNWRYIVPMITVDGKRVPRDAGHPLYPFNDPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

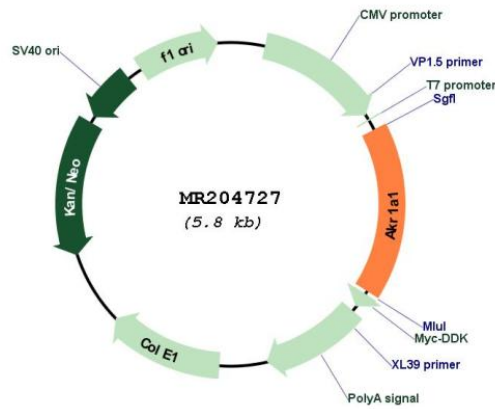
Chromatograms: https://cdn.origene.com/chromatograms/mm9059_c12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_021473

ORF Size:	975 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.
RefSeq:	NM_021473.3 , NP_067448.1
RefSeq Size:	1435 bp
RefSeq ORF:	978 bp
Locus ID:	58810
MW:	36.6 kDa