

Product datasheet for **RR205415**

Ajap1 (NM_001101014) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ajap1 (NM_001101014) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ajap1
Synonyms: neumo48
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205415 representing NM_001101014
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGATCCAACAGCTTTTAGGACTCAGCTCCATGCCATTGCTGGCCCGGCCGCTCTCTCGGAAGCC
ATCTCTGGATACTGATAGCCATGCTGCAACTTGGGTCGACTTCCCATCCTGTGACTCACTGGGCCCGG
GCCCGAGTTCGACTCCTGTACGTCCACAGAGCCCCAGAGGCTTTGGAGTCTGCGAACTGGACCTCCA
ACGAGGCTACCAACACCGGCCTGGAGTCCCGTGCAGCCCGGGCTGAACGTGCCACGGGCCATACAGA
TGCAGACTCCCCGTGCTCGGAGGGCCACAGGCCAGGGACCAGGTAGCCACCCTCGGACCCAAAGGGGG
ACTCACCAAGCCTCCAGCTGCCACCCGATCCAGTCCCTCCCTCACCTCTGCATCAGCCTCATCTCCATG
ACTGCTGGGGCTGCAGAGCATCAGAGCCTCTAAAGCGGGGTAGAAGGCACACACAGATGCAGAGTTCA
ACGACTTCGACTTTCATGGTGGCAGGCCACGACAGAGACAGAATTCATAGCCTGGGGTCTACAGGGGA
TGAGGAAGCTCTGGAGTCCAACACCTTCCCTGGTGGTTTTGGCCCCACTACAGTCTCCATCTTGCAAACA
CGGAAGACGACTATGGCCGCCACCACCACCACCCTGCGGCCAGCACGGCCACCGCCATGACACTGCAGA
CTAAGGGGCTCACTGAGTCCCTGGATCCCTGGAAAAGGACCCCTGTTGGGGTATGACACAACGGAGCCTTC
CACTAGTCCCAGCAACAATGGGAAAGACATCCAGCCCCCAGGATCTTGGGGGAGACCTCAGGTCTGGCT
GTGCATCAGATCATCACCATCACCGTCTCCCTCATCATGGTCATCGCCGCGCTCATCACAACCTTGTCT
TAAAAAATTGCTGTGCCCAAGTGGGCACACTCGGAGAACAGTCACCAGCGGAAGATGAATCAGCAGGA
GGAGAGTTGCCAGAACTTGACGGACTTACCCCCGCCAGGGTGCCAGCAGCGTGGACATCTTCACTGCT
TATAATGAGACTGCAGTGTCCACGAGTGTGTGAGGGCTCCGTGCCGCTATGCCGATGAGACAC
TGCACTCGACCGGGGAGTACAAGTCTACGTTCAATGGAACCGATCCTCCTCTGCGGATAGGCATCTCAT
CCCTGTGGCCTTTGTGTCTGAGAAATGGTTGAAATCTCTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MWIQQLLGLSSMPIRWPGRSLGSHLWLIAMQLAVDFPSCDSLPGPEFRLLSRPQRQRLWSLRTGPP
 TRLPTPAWSPRAARAERAHGPIQMOTPRARRAHRPRDQVATLGPKGGLTKPPAATRSSPSLTSASASSM
 TAGAAEHQSLLRGRRHTHDAEFNDFDFHGGRPTTETEFIAWGPTGDEEALESNTFPGGFPTTVSILQT
 RKTMTAATTTTTAASTATAMTLQTKGVTESLDPWKRTVPGVSTTEPSTSPSNNGKDIQPPRILGETSGLA
 VHQIITITVSLIMVIAALITTLVLKNCCAPSGHTRRNSHQRKMNQEEESCQNLDTFTPARVPSSVDIFTA
 YNETLQCSHECVRASVPVYADETLHSTGEYKSTFNNGRSSADRHLIPVAVFSEKWFIEIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

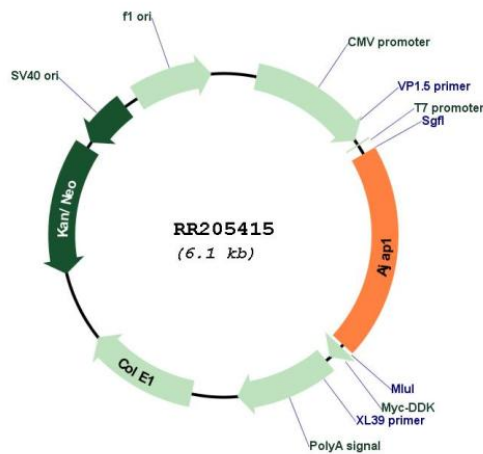
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001101014

ORF Size:	1233 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_001101014.1 , NP_001094484.1
RefSeq Size:	2603 bp
RefSeq ORF:	1236 bp
Locus ID:	687031
UniProt ID:	Q4W8E7
Cytogenetics:	5q36
MW:	44.8 kDa
Gene Summary:	Plays a role in cell adhesion and cell migration.[UniProtKB/Swiss-Prot Function]