

Product datasheet for **RR212861**

Clip3 (NM_001107501) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clip3 (NM_001107501) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clip3
Synonyms:	RGD1306245
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212861 representing NM_001107501
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTAAGACGGATCCTGCCCAATGGCCCTCCACCCGAGGGGAGGAGGAAGAGGAGGAGGAGGAAG
 ATGAACCGGTCCCAGAAGCCCCAGCCCCACCCAGGAGCGCCGGCAAAGCCAGTTGTGACCCCTCAGC
 ACCTGCTCCGCTCCCAAAGACTACGCTTTTACCTTCTTCGACCCCAATGACCCTGCGTGCCAGGAGATT
 CTCTTTGATCCGAAGACCACCATCCCAGAGCTGTTTGCCATCGTACGCCAGTGGGTTCCCAAGTCCAGC
 ACAAGATAGACGTCATTGGCAATGAGATTCTGCGTCGGGGCTGCCATGTGAATGATCGTGACGGCCTCAC
 AGATATGACACTGCTCATTATGCGTGCAAGGCTGGGGCCATGGAGTTGGAGACCCTGCGGCCGCTGTG
 CGCCTCTCGCAGCAGCTGCTGGCGCTAGGCGCAGATGTGACTCTGCGCAGCCGCTGGACCAACATGAACG
 CACTTCACTATGCGGCCATTTTCGACGTGCCAGACCTTGTGCGTGTGCTGCTGAAAGGGGCGAGGCCAG
 GGTGGTGAACCTCACCTGTAGTGACTTCAACCATGGCTCAGCTCTGCACATCGCTGCCTCGAATCTGTGC
 CTGGGCGCCGCAAATGTTTACTGGAGCATGGTGCCAACCCAGCGCTGAGGAATCGAAAAGGACAGGTAC
 CAGCGGAAGTGGTCCCAGACCCCATGGACATGTCCCTTGACAAGGCAGAGGCAGCCCTGGTGGCCAAAGGA
 ACTGCGGACGCTGCTAGAAGAGGCTGTGCCACTGTCTGCACCCTTCTAAAGTCACTACCCAATAT
 GACAACGTCCCAGGCAATCTCATGTCTAGCGCGCTGGGCTGCGTCTAGGAGACCGAGTGTCTCTCGATG
 GCCAGAAGACGGGACGCTGAGGTTCTGCGGGACCACCGAGTTCGCCAGTGGCCAGTGGGTGGGCGTGGA
 GCTAGATGAACCGGAAGGCAAGAACGACGGCAGCGTTGGGGGTGCCGTTACTTTCATCTGCCCTCCCAAG
 CAGGGTCTCTTTGCATCTGTGTCCAAGGTCTCCAAGGCAGTGGATGCACCCCTCATCTGTTACCTCCA
 CGCCCCGCACTCCCGGATGGACTTCTCCCGTAAACGGGCAAAGGCCGAGGGAACACAAGGGGAAGAA
 GAAGTCCCATCTTCCCATCTCTGGGCAGCCTGCAGCAGCGTGAAGGGCCAAAGCTGAAGTTGGAGAC
 CAAGTCTTGTGGCAGGCCAGAAGCAGGGGATTGTGCGTTTCTATGGGAAGACGGACTTTGCTCCAGGTT
 ACTGGTATGGCATTGAGCTGGACCAGCCACGGGCAAGCATGACGGCTCTGTGTTGCGGTGTCGGTACTT
 TACCTGTGCCCGAGGCACGGGCTTTTGCACCAGCATCTCGTATCCAGAGGATTGGTGGATCCACTGAT
 CCCCTGGAGACAGTGTGGAGCAAAAAGTGCATCAAGTGACAATGACACAGCCCAAACGCACCTTCA
 CAACAGTCCGGACCCAAAGGACATTGCATCAGAGAACTATCTCCAGGTTACTTCTGCTGCTGGTT
 TCCTTGGATGCTGAGGGCGGAGATGCAGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212861 representing NM_001107501
 Red=Cloning site Green=Tags(s)

MTKTDPA MAPP PRRGEEEEEEDEPVPEAPSPTQERRQKPVVHPSAPAPLPKDYAFFDFPNDPACQEI
 LFDPKTTIPELFAIVRQWVPQVQHKIDVIGNEILRRGCHVNRDGLTDMTLLHYACKAGAHGVGDPAAAV
 RLSQQLLALGADVTLRSRWTNMNALHYAAYFDVPDLVRVLLKGARPRVNSTCSDFNHGSALHIAASNLC
 LGAACKLLEHGANPALRNRKGQVPAEVVDPMDMSLDKAEALVAKELRTLLEAVPLSCTLPKVTLPNY
 DNVPGNLMLSALGLRLGDRVLLDGQKTGLRFGTTEFASGQWVGVELDEPEGKNDGSVGVRVYFCPPK
 QGLFASVSKVSKAVDAPPSSVTSTPRTPRMDFSRVTKGRREHKGKKKSPSSPSLGSQQREGAKAEVGD
 QVLVAGQKQIVRFYKTDFAFGYWGIELDQPTGKHDGSVFGVRYFTCAPRHGVFAPASRIQRIGGSTD
 PPGDSVGAKKVHQVTMTQPKRTFTTVPKDIASENSISRLLFCCWFPWMLRAEMQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

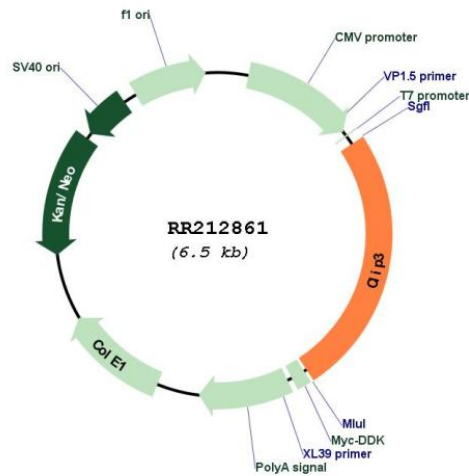
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001107501
ORF Size:	1641 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_001107501.1 , NP_001100971.1
RefSeq Size:	2123 bp
RefSeq ORF:	1644 bp
Locus ID:	308493
Cytogenetics:	1q21
MW:	59.6 kDa