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Product datasheet for RR213845

Cilp (NM_001108161) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cilp (NM_001108161) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cilp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213845 representing NM_001108161 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCAGCAACCAAGACCTGGGTACTCTCTTTCCTGGTCCTTGAAGTCACCACCGTGCTGGGGAGACAGA TGATGCTTACCCAGTCAGCAAGAAGAGTCCAGCCTGTGAAGAGGACCCCTAAGATCCTCACCAAGCCTGT TAACTCCCAGGAGAGTCCTGGAGAGTGGACGACTTGGTTTAACATCGACCACCCAGGTGGGCAGGGTGAC TATGAGCGACTGGATGCCATTCGATTCTACTACGGGGAGCGCGTGTGCGCCCGTCCCCTCCGGCTAGAGG CTCGGACCACTGACTGGATGCCTGCGGGCATCACTGGCCAGGTGGTCCATGGCAGTCCCCGTGAGGGCTT CTGGTGCCTCAACAAGGAACAGAGACCAGGCCAGAACTGTTCCAATTACACAGTGCGCTTCCTCTGCCCA CCAGGGTCCTTGCGGAGAGATACAGAGCATATCTGGAGTTCCTGGTCTCCCTGGAGCGCGTGCTCAGCCG CCTGTGGTCACACCGGGGTCCAGACCCGTACCCGCACCTGCTTGGCACAGACAGTGTCACTATGTAATGA GGCCACTGAGGAGGGACAGCTCTGCATGAGCCAGGCCTGCACAGCTTGTGACCTGACCTGCCCCATGGGC CAGGTAAATGCTGACTGTGATGCCTGCATGTGTCAGGACTTCATGCTTCACGGGGCCATCTCCCTCCCTG GAGGTGGCCCAGCTCCAGGGGCCACTGTCTACCTGCTGGCTAAGGCACCAAAGATGCTGACCCAAACAGA CAGCAGCGGAAGTTTCCGAGTTCCTGGCTTGTGTCCTGATGGCAAAACCGTCCTGAAAGTTACCAAGAGC AAGTTTGCCCCAATTATGATCACGATGCCCAAGACTAGCCTGAAGTCAGCCACCATCAACGCAGAGTTTG TGAGGGCAGAGACCCCATACATTGTAATGAACCCTGAGACGAAAGCACGTCGGGCTGGGCAGAGTGTGTC TCTGTGCTGCAAGGCCACAGGGAAACCTAGTCCAGACAAGTACTTCTGGTACCACAACAACACATTGCTG GATCCTTCCCTCTATAAACACCAGAGCAAGCTGGTGCTGAGGAACCTGCAGCAGGACCAAGCAGGGGAGT ACTTCTGTAAGGCGCAGAGTGATGCTGGGGCTGTGAAGTCCAAGGTCACCCAACTCACTGTCATTGCACA CGATGAGGCTCCTTGCAACCCAACCCCAGAGAGCTACCTTATCCGGCTGCCCCATGATTGCTTCCAGAAT GCCACCAACTCCTTCTACTATGATGTAGGCCGCTGCCCCATCAAGACCTGTGCAGGGCAGCAAGACAATG GGATCCGGTGCCAAGATGCCGTGGAGAACTGCTGTGGTATTTCCAGAACAGAGGAGAGGGAGATCCAGTG CAGTGGGTACACACTGCCCACCAAGGTGGCCATGGAGTGCAGCTGTCAACGATGTGCAGAGACACGGAGC ATCGTTCGGGGCCGGGTCACTGCTGCTGACGATGGGGAGCCCATGCGCTTTGGCCACGTGTACATGGGGA ATAACCGTGTGAGCATGACTGGCTACAAAGGCACATTCACCCTCCACGTCCCCCAGGACACGGAGAGGCT GGTGCTCACGTTTGTGGACAGGCTGCAGAAATTTGTCAACACTACCAAAGTGCTGCCCTTCAACAAGAAA

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Protein Sequence:

>RR213845 representing NM_001108161
Red=Cloning site Green=Tags(s)

MAATKTWVLSFLVLEVTTVLGRQMMLTQSARRVQPVKRTPKILTKPVNSQESPGEWTTWFNIDHPGGQGD
YERLDAIRFYYGERVCARPLRLEARTTDWMPAGITGQVVHGSPREGFWCLNKEQRPGQNCSNYTVRFLCP
PGSLRRDTEHIWSSWSPWSACSAACGHTGVQTRTRTCLAQTVSLCNEATEEGQLCMSQACTACDLTCPMG
QVNADCDACMCQDFMLHGAISLPGGGPAPGATVYLLAKAPKMLTQTDSSGSFRVPGLCPDGKTVLKVTKS
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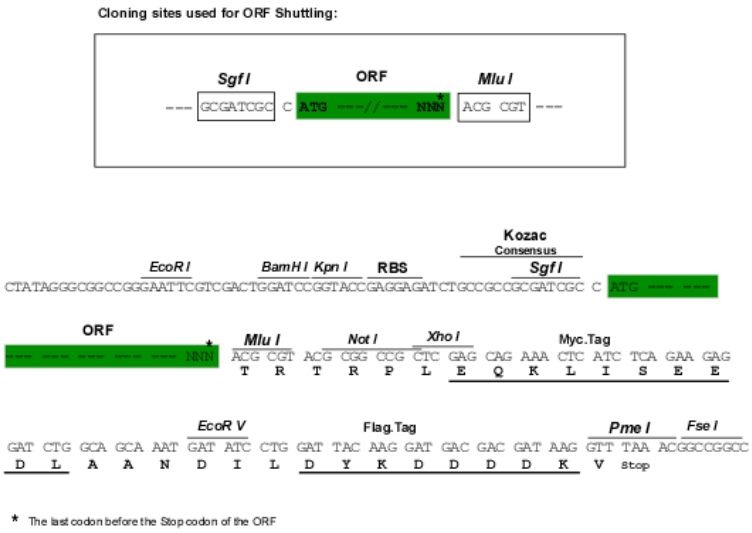
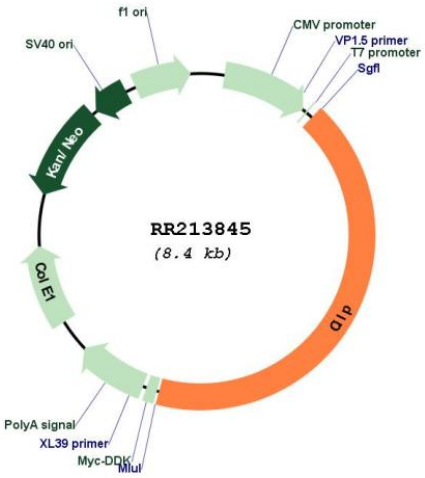
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001108161
ORF Size:	3552 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:	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_001108161.1, NP_001101631.1
RefSeq Size:	4131 bp
RefSeq ORF:	3555 bp
Locus ID:	315761
Cytogenetics:	8q24

MW: 132.1 kDa