

Product datasheet for **RC218921**

CLIP170 (CLIP1) (NM_002956) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLIP170 (CLIP1) (NM_002956) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLIP170
Synonyms:	CLIP; CLIP-170; CLIP170; CYLN1; RSN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218921 representing NM_002956 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTATGCTAAAGCCAAGTGGGCTTAAGGCCCCACCAAGATCCTGAAGCCTGGAAGCACAGCTCTGA
 AGACACCTACGGCTGTTGTAGCTCCAGTAGAAAAACCATATCCAGTGAAAAAGCATCAAGCACTCCATC
 ATCTGAGACTCAGGAGGAATTTGTGGATGACTTTCGAGTTGGGGAGCGAGTTTGGTGAATGGAATAAG
 CCTGGATTATCCAGTTTCTGGAGAAACCCAGTTTGCACAGGCCAGTGGGCTGGAATTGTTTAGATG
 AACCCATAGGCAAGAACGATGGTTCGGTGGCAGGAGTTCGGTATTTCCAGTGTGAACCTTTAAAGGGCAT
 ATTTACCCGACCTTCAAAGTTAACAAGGAAGGTGCAAGCAGAAGATGAAGCTAATGGCCTGCAGACAACG
 CCCGCCTCCCGAGCTACTTACCGCTGTGCACTTCTACGCCAGCATGGTGTCTTCTCCCTCCACCC
 CTTCAAACATCCCTCAGAAACCATCACAGCCAGCAGCAAAGGAACCTTCAGCTACGCCTCCGATCAGCAA
 CCTTACAAAACTGCCAGTGAATCTATCTCAACCTTTTCAGAGGCTGGCTCAATCAAGAAAGGAGAAAGA
 GAGCTCAAAATCGGAGACAGAGTATTGGTTGGTGGCACTAAGGCTGGTGTAGTCCGGTTTCTTGGGAGA
 CCGACTTTGCCAAGGGGAGTGGTGTGGCGTGGAGTTAGATGAGCCACTTGGGAAGAATGATGGCGCTGT
 TGCTGGAACAAGGTATTTTCAGTGTCAACCCAAATATGGCTTGTTCGCTCCTGTCCACAAAGTTACCAAG
 ATTGGCTTCCCTTCCACTACACCAGCCAAAGCCAAGCCAACGCAGTGAAGCGAGTGATGGCGACCACGT
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 CAGCAGGCCAGTCGGACAGGACTATTGACTGAAACCTCCTCCGTTACGCCAGGAAGATCTCCGGTACC
 ACTGCCCTCCAGGAGGCCCTGAAGGAGAAGCAGCAGCATTGAGCAGCTGCTGGCGGAACGGGATCTGG
 AGAGGGCGGAGGTGGCAAGGCCACGAGCCACGTGGGGGAGATAGAGCAGGAGCTAGCTCTGGCCCGGA
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 GGGTTGAAGAAGAATCAATTACCAAAGGTGATCTTGAGACGCAGACCAAACTGGAGCATGCCCGCATTAA
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AGGGTGGCTACAGTTTCAGAAAAGTCACGTATAATGGAAGTGGAGAAAGACCTAGCATTGAGAGTACAGG
 AAGTAGCTGAGCTCCGAAGAAGGCTAGAGTCCAATAAGCCTGCTGGGGATGTGGACATGTCACTTTCCCT
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 CCAGGAGAGTCAGATTGATTTCTAAATTCAGTAATAGTGGACCTTCAAAGGAAGAATCAAGACCTCAAG
 ATGAAGGTGGAGATGATGTCAGAAGCAGCCCTGAATGGGAACGGGGATGACCTAAACAATTATGACAGTG
 ATGATCAGGAGAAACAGTCCAAGAAGAAACCTCGCCTCTTCTGTGACATTTGTGACTGCTTTGATCTCCA
 CGACACAGAGGATTGCTTACCCAGGCACAGATGTCAGAGGACCTCCCATTCACACACCATGGCAGT
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 ACGAAACCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218921 representing NM_002956
Red=Cloning site Green=Tags(s)

MSMLKPSGLKAPTILKPGSTALKTPTAVVAPVEKTISSEKASSTPSSETQEEFVDDFRVGERVWVNGNK
PGFIQLGETQFAPGWAGIVLDEPIGKNDGSVAGVRYFQCEPLKGIFTRPSKLTRKVQAEDEANGLQTT
PASRATSPLCTSTASMVSSPSTPSNIPQKPSQPAAKEPSATPPISNLTKTASESISNLSEAGSIKKGER
ELKIGDRVLVGGTKAGVVRFLGETDFAKGEWCGVELDEPLGKNDGAVAGTRYFQCQPKYGLFAPVHKVTK
IGFPSTTPAKAKANAVRRVMATTASLKRSPSASSLSSMSSVASSVSSRPSRTGLLTETSSRYARKISGT
TALQEALKEKQQHIEQLLAERDLERAEVAKATSHVGEIEQELALARDGHDQHVLELEAKMDQLRTMVEAA
DREKVLLNQLLEEERKVEDLQFRVEEESITKGDLETQTKLEHARIKELEQSLLEFKTKADKLQRELED
RVATVSEKSRIMELEKDLALRVQEAELRRRLESNKPAGDVMSSLLQEISSLEKLEVRTDHDQREIT
SLKEHFGAREETHQKEIKALYTATEKLSKENESLSKLEHANKENDVIALWKSLETAIASHQQAMEEL
KVSFSKGLGTETAFAELKTQIEKMRLDYQHEIENLQNQQDSERAAHAKEMEALRAKLMKVIKEKENSLE
AIRSKDKAEDQHLVEMEDTLNKLQEAIEKVKELEVLQAKCNEQTKVIDNFTSQLKATEEKLLDLALRK
ASSEKSEMKKLRQQLAAEKQIKHLEIEKNAESSKASSITRELQGRELKLTLNQLNQLSEVSVQKETLEK
ELQILKEKFAEASEEAVSVQRSMQETVKNLHQKEEQFNLSSDLEKLRENLADEAKFREKDEREEQLIK
AKEKLENDIAEIMKMSGDNSSQLTKMNDLRLKERDVEELQLKLTANENASFLQKSIEDMTVKAESQSQ
EAAKHHEEEKELERKLSLEKKMETSHNQCQELKARYERATSETTKHHEILQNLQKTLDDTEKLGKA
REENSGLLQEEELRKQADKAKAAQTAEDAMQIMEQMTKEKTETLASLEDTKQTNAKLQNELDTLKNNL
KNVEELNKSHELLTVENQKMEEFRKEIETLKQAAAQSSQLSALQEENVKLAEEELGRSRDEVTSHQKLEE
ERSVLNNQLLEMKKRESKFIKDADEEKASLQKSIISITSALLTEKDAELEKLNEVTVLGENASAKSLHS
VVQTLSDKVLELKVKNLELQLKENKRQLSSSSGNTDTQADEDERAQESQIDFLNSVIVDLQRKNQDLK
MKVEMMSEALNGNGDDLNNYSDDQEKQSKKPRLFCDICDFDLHDTEDCPTQAQMSDEPPHSTHHGS
RGEERPCEICEMFGHWATNCNDDETF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

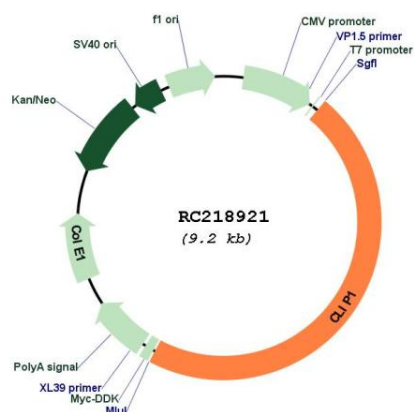


ACCN: NM_002956

ORF Size: 4281 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_002956.2 , NP_002947.1
RefSeq Size:	5898 bp
RefSeq ORF:	4284 bp
Locus ID:	6249
UniProt ID:	P30622
Cytogenetics:	12q24.31
Domains:	CAP_GLY, M
MW:	160.8 kDa
Gene Summary:	The protein encoded by this gene links endocytic vesicles to microtubules. This gene is highly expressed in Reed-Sternberg cells of Hodgkin disease. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RC218921