

Product datasheet for **RC234594**

CLINT1 (NM_001195556) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLINT1 (NM_001195556) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLINT1
Synonyms:	CLINT; ENTH; EPN4; EPNR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234594 representing NM_001195556
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATTATTCAGAGATCGAGTCTAAGGTTTCGAGAGGCAACGAACGATGATCCTTGGGGACCTTCTGGG
 AACTCATGGGAGAGATTGCCAAGCTACATTTATGTATGAACAATTTCCAGAACTTATGAACATGCTTTG
 GTCACGAATGTTAAAAGACAACAAAAAGAATTGGAGAAGAGTTTATAAGTCGTTGCTGCTCCTAGCTTAC
 CTCATAAGGAATGGATCAGAGCGTGTGTTTACAAGTGCCAGAGAACACATTTATGATTTACGATCCCTGG
 AAAATTACCACCTTTGTAGATGAGCATGGTAAGGATCAAGGTATAAATATTCGACAGAAGGTGAAGGAATT
 GGTGAAATTTGCCCAGGATGACGACAGGCTTCGTGAAGAGCGAAAGAAAGCAAAGAAGAACAAGACAAG
 TATGTTGGGGTTTCTCAGACAGTGTGGAGGATTCAGATACAGTGAAAGATATGATCCTGAGCCCAAT
 CAAAATGGGATGAGGAGTGGGATAAAAACAAGAGTGCTTTCCATTTCAGTGATAAATTAGGTGAGCTGAG
 TGATAAAATTGGAAGCACAATTGATGACACCATCAGCAAGTTCGGAGGAAAGATAGAGAAGACTCTCCA
 GAAAGATGCAGCGACAGCGATGAGGAAAAGAAAGCGAGAAGAGGCAGATCTCCCAAAGGTGAATCAAAAG
 ATGAAGAGGAGACTGTGACGACAAGCATATTCATATCACACAGGCCACAGAGACCACCAACCAGACA
 CAAGCGCACAGCAAAATCCTTCCAAAACCATGATCTTGGAGCAGCAGCACATTACACAGGGGACAAGCA
 AGTCCAGATCAGAATGCTTCAACCCACACACCTCAGTCTTCAGTTAAGACTTCAGTGCCTAGCAGCAAGT
 CATCTGGTGACCTTGTGATCTGTTTGTGACCAGCCAGTCAACAGGAGGATCAGTGATTTATTCGG
 AGGATTTGCTGACTTTGGCTCAGCTGCTGCATCAGGCAGTTTCCCTTCCCAAGTAACAGCAACAAGTGGG
 AATGGAGACTTTGGTGACTGGAGTGCCTTCAACCAAGCCCATCAGGCCCTGTTGCTTCCAGTGGCGAGT
 TCTTTGGCAGTGCCTCACAGCCAGCGGTAGAACTTGTAGTGGCTACAATCAGCTCAGGCCCACTCC
 TGCTGCCTCAAATTCCTCAGACCTGTTGATCTTATGGGCTCGTCCAGGCAACCATGACATCTTCCCAG
 AGTATGAATTTCTCTATGATGAGCACTAACACTGTGGGACTTGGTTTGCCTATGTCAAGTACAGCCTT
 TGCAAAATGTTAGCACAGTGCTGCAGAAGCCTAATCCTCTCTATAATCAGAATACAGATATGGTCCAGAA
 ATCAGTCAGCAAAACCTTGCCCTCTACTTGGTCTGACCCAGTGTAAACATCAGCCTAGACAACCTACTA
 CCTGGTATGCAGCCTTCCAAACCCAGCAGCCATCACTGAATACAATGATTCAGCAACAGAATATGCAGC
 AGCCTATGAATGTGATGACTCAAAGTTTGGAGCTGTGAACCTCAGTTCTCCATCGAACATGCTTCTGT
 CCGGCCCAAACCTAATGCTTTGATAGGGGGACCCATGCCTATGAGCATGCCCAATGTGATGACTGGCACC
 ATGGGAATGGCCCTCTTGGAAATACTCCGATGATGAACCAGAGCATGATGGGCATGAACATGAACATAG
 GGATGTCCGCTGCTGGGATGGGCTTACAGGCACAATGGGAATGGGCATGCCCAACATAGCCATGACTTC
 TGGAACTGTGCAACCAAGCAAGATGCCTTTGCAAAATTCGCCAAATTTAGCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234594 representing NM_001195556
 Red=Cloning site Green=Tags(s)

MNYSEIESKVVREATNDPPWGPSQQLMGEIAKATFMYEQFPELMNMLWSRMLKDNKKNWRRVYKSLLLLAY
 LIRNGSERVVTSAREHIYDLRSLNENYHFVDEHGKDQGINIRQKVKELVEFAQDDRLREERKAKKNKDK
 YVGVSSDSVGGFRYSERYDPEPKSKWDEEWDKNKSAFPFSDKLGE SDKIGSTIDDTISKFRKDRDREDS
 ERCSDSDEEKKARRGRSPKGEFDEEETVTTKHIHITQATETTTTTRHKRTANPSKTIDLGAHHYTGDKA
 SPDQNASTHTPQSSVKTSVPSKSSGDLVDLFDGTSQSTGGSADLFGGFADFGSAAASGFSQVTSQ
 NGDFGDWSAFNQAPSGPVASSGEFFGSASQPAVELVSGSQSALGPPPAASNSDDLFDLMGSSQATMTSSQ
 SMNFSMMSTNTVGLGLPMSRSQPLQNVSTVLQKPNPLYNQNTDMVQKSVSKTLPSTWSDPSVNI SLDNLL
 PGMQPSKPQQPSLNTMIQQNMQQPMNVMTQSF GAVNLS SPSNMLPVRPQTNALIGGPMPSMPNVMGT
 MGMAPLGNTPMNMQSMGMNMNIGMSAAGMGLTGTMGMPNIAMTSGTVQPKQDAFANFANFSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001195556

ORF Size: 1875 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_001195556.2](#)

RefSeq Size: 4038 bp

RefSeq ORF: 1878 bp

Locus ID: 9685

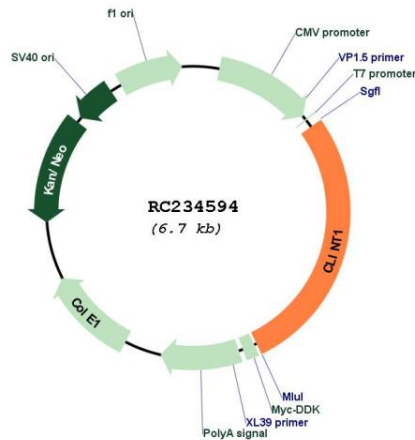
UniProt ID: [Q14677](#)

Cytogenetics: 5q33.3

MW: 68.6 kDa

Gene Summary: This gene encodes a protein with similarity to the epsin family of endocytic adapter proteins. The encoded protein interacts with clathrin, the adapter protein AP-1 and phosphoinositides. This protein may be involved in the formation of clathrin coated vesicles and trafficking between the trans-Golgi network and endosomes. Mutations in this gene are associated with a susceptibility to schizophrenia and psychotic disorders. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RC234594