

Product datasheet for **RG234594**

CLINT1 (NM_001195556) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLINT1 (NM_001195556) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLINT1
Synonyms:	CLINT; ENTH; EPN4; EPNR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234594 representing NM_001195556
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATTATTCAGAGATCGAGTCTAAGGTTTCAGAGGCAACGAACGATGATCCTTGGGGACCTTCTGGGC
 AACTCATGGGAGAGATTGCCAAGGCTACATTTATGTATGAACAATTTCCAGAACCTTATGAACATGCTTTG
 GTCACGAATGTTAAAAGACAACAAAAAGAATTGGAGAAGAGTTTATAAGTCGTTGCTGCTCCTAGCTTAC
 CTCATAAGGAATGGATCAGAGCGTGTGTTTACAAGTGCCAGAGAACACATTTATGATTTACGATCCCTGG
 AAAATTACCACTTTGTAGATGAGCATGGTAAGGATCAAGGTATAAATATTCGACAGAAGGTGAAGGAATT
 GGTTGAATTTGCCCAGGATGACGACAGGCTTCGTGAAGAGCGAAAGAAAGCAAAGAAGACAAGACAAG
 TATGTTGGGGTTTCTCAGACAGTGTGGAGGATTCAGATACAGTGAAAGATATGATCCTGAGCCCAAT
 CAAAATGGGATGAGGAGTGGGATAAAAACAAGAGTGCTTTTCATTGATGATAAATTAGGTGAGCTGAG
 TGATAAAATTGGAAGACAATTGATGACACCATCAGCAAGTTCGGAGGAAAGATAGAGAAGACTCTCCA
 GAAAGATGCAGCGACAGCGATGAGGAAAAGAAAGCGAGAAGAGGCAGATCTCCCAAAGGTGAATCAAAG
 ATGAAGAGGAGACTGTGACGACAAGCATATTCATATCACACAGGCCACAGAGACCACCAACAGACA
 CAAGCGCACAGCAAAATCCTTCCAAAACCATGATCTTGGAGCAGCAGCACATTACACAGGGGACAAAGCA
 AGTCCAGATCAGAATGCTTCAACCCACACACCTCAGTCTTCAGTTAAGACTTCAGTGCCTAGCAGCAAGT
 CATCTGGTGACCTTGTGATCTGTTGATGGCACCAGCCAGTCAACAGGAGGATCAGTGATTTATTCGG
 AGGATTTGCTGACTTTGGCTCAGCTGCTGCATCAGGCAGTTTCCCTTCCCAAGTAACAGCAACAAGTGGG
 AATGGAGACTTTGGTGACTGGAGTGCTTCAACCAAGCCCCATCAGGCCCTGTTGCTTCCAGTGGCGAGT
 TCTTTGGCAGTGCCTCACAGCCAGCGGTAGAAGTGTAGTGGCTCACAATCAGCTCTAGGCCACCTCC
 TGCTGCCTCAAATTCCTCAGACCTGTTGATCTTATGGGCTCGTCCAGGCAACCATGACATCTTCCCAG
 AGTATGAATTTCTCTATGATGAGCACTAACACTGTGGGACTTGGTTGCCTATGTCAAGATCACAGCCTT
 TGCAAAATGTTAGCACAGTGCTGCAAGCCTAATCCTCTCTATAATCAGAATACAGATATGGTCCAGAA
 ATCAGTCAGCAAAACCTTGCCCTCTACTTGGTCTGACCCAGTGTAAACATCAGCCTAGACAACCTACTA
 CCTGGTATGCAGCCTTCCAAACCCAGCAGCCATCACTGAATACAATGATTCAGCAACAGAATATGCAGC
 AGCCTATGAATGTGATGACTCAAAGTTTGGAGCTGTGAACCTCAGTTCTCCATCGAACATGCTTCTGT
 CCGGCCCCAACTAATGCTTTGATAGGGGACCCATGCCTATGAGCATGCCAATGTGATGACTGGCACC
 ATGGGAATGGCCCTCTTGAAATACTCCGATGATGAACCAGAGCATGATGGGCATGAACATGAACATAG
 GGATGTCCGCTGCTGGGATGGGCTTGACAGGCACAATGGGAATGGGCATGCCCAACATAGCCATGACTTC
 TGGAACTGTGAACCCAGCAAGATGCCTTTGCAAATTCGCCAATTTTAGCAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234594 representing NM_001195556
 Red=Cloning site Green=Tags(s)

MNYSEIESKVVREATNDPPWGPSQQLMGEIAKATFMYEQFPELMNMLWSRMLKDNKKNWRRVYKSLLLLAY
 LIRNGSERVVTSAREHIYDLRSLNHYHFVDEHGKDQGINIRQVKELVEFAQDDDRLEERKKAKKNKDK
 YVGVSDDSVGGFRYSERYDPEPKSKWDEWDKNKSAFPFSDKLGEISDKIGSTIDDTISKFRKDRDSP
 ERCSDSDEEKKARRGRSPKGEFKDEETVTTKHIHITQATETTTTRHKRTANPSKTIDLGAHHYTGDKA
 SPDQNASTHTPQSSVKTSVPSSKSSGDLVDLFDGTSQSTGGSADLFGGFADFSSAAASGSFSPQVTATSG
 NGDFGDWSAFNQAPSGPVASSGEFFGSASQPAVELVSGSQSALGPPPAASNSSDLFDLMGSSQATMTSSQ
 SMNF SMMSTNTVGLGLPMSRSQPLQNVSTVLQKPNPLYNQNTDMVQKSVSKTLPSTWSDPSVNIISLDNLL
 PGMQPSKPPQPSLNTMIQQQNMQQPMNVMTQSF GAVNLSSPSNMLPVRPQTNALIGGPMPSMPNVMTGT
 MGMAPLGNTPMNQSMGMNMNIGMSAAGMGLTGTMGMPNIIAMTSGTVQPKQDAFANFANFSK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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

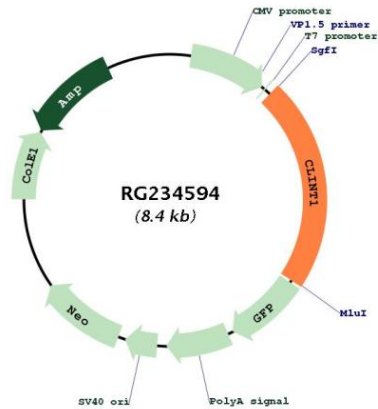
Locus ID: 9685

UniProt ID: [Q14677](#)

Cytogenetics: 5q33.3

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 RG234594