

Product datasheet for RC203505

Clathrin light chain (CLTA) (NM_001833) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clathrin light chain (CLTA) (NM_001833) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clathrin light chain
Synonyms:	LCA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203505 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGCTGGATCCGTTTCGGCGCCCCTGCCGGCGCCCCTGGCGGTCCCAGCGCTGGGAAACGGAGTGG
CCGGCGCCGCGGAAGAAGACCCGGCTGCGGCTTCTTGGCGCAGCAAGAGAGCGAGATTGCGGGCATCGA
GAACGACGAGGCTTCGCCATCCTGGACGGCGGCCCGCCCGGCCAGCCGCACGGCGAGCCGCCGGGG
GGTCCGGATGCTGTTGATGGAGTAATGAATGGTGAATACTACCAGGAAAGTAATGGTCCAACAGACAGTT
ATGCAGCTATTTACAAGTGGATCGATTGCAGTCAGAGCCTGAAAGTATCCGTAATGGAGAGAAGAACA
AATGGAACGCTTGAAGCCCTTGATGCCAATTCTCGGAAGCAAGAAGCAGAGTGGAAAGAAAAGGCAATA
AAGGAGCTAGAAGATGGTATGCAAGACAGGACGAGCAGCTACAGAAAACAAAAGCAAACAACAGGGCAG
CAGAAGAAGCCTTTGTAATGACATTGACGAGTCGTCCCCAGGCACTGAGTGGGAACGGGTGGCCCGGCT
GTGTGACTTTAACCCCAAGTCTAGCAAGCAGGCCAAAGATGTCTCCCGCATGCGCTCAGTCTCATCTCC
CTCAAGCAGGCCCGCTGGTGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001833.4](#)

RefSeq Size: 1156 bp

RefSeq ORF: 657 bp

Locus ID: 1211

UniProt ID: [P09496](#)

Cytogenetics: 9p13.3

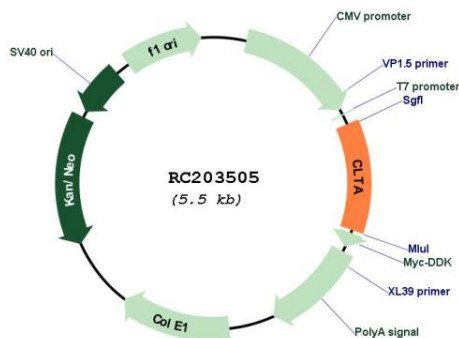
Domains: Clathrin_lg_ch

Protein Pathways: Endocytosis, Huntington's disease, Lysosome

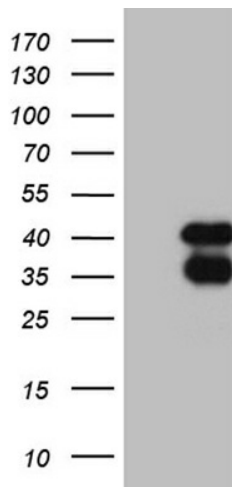
MW: 23.7 kDa

Gene Summary: Clathrin is a large, soluble protein composed of heavy and light chains. It functions as the main structural component of the lattice-type cytoplasmic face of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. This gene encodes one of two clathrin light chain proteins which are believed to function as regulatory elements. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 8 and 12. [provided by RefSeq, May 2010]

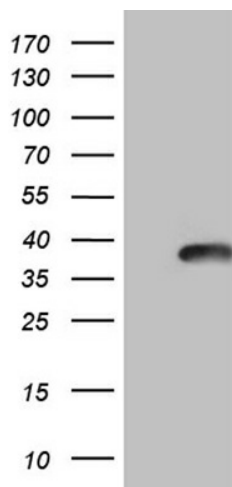
Product images:



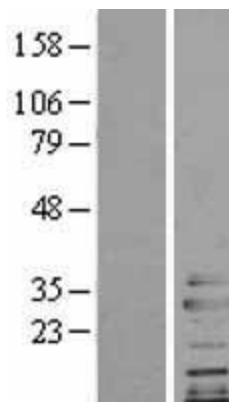
Circular map for RC203505



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CLTA (Cat# RC203505, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CLTA (Cat# [TA809578])(1:2000). Positive lysates [LY400696] (100ug) and [LC400696] (20ug) can be purchased separately from OriGene.



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CLTA (RC203505, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CLTA (1:2000) ([TA809631]). Positive lysates [LY400696] (100ug) and [LC400696] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY400696]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203505 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).