

Product datasheet for **SC338090**

Clathrin heavy chain (CLTC) (NM_001288653) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clathrin heavy chain (CLTC) (NM_001288653) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLTC
Synonyms:	CHC; CHC17; CLH-17; CLTCL2; Hc; MRD56
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001288653, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCAGATTCTGCCAATTCGTTTTTCAGGAGCATCTCCAGCTCCAGAACCTGGGTATCAACCCAGCAA
ACATTGGCTTCAGTACCCTGACTATGGAGTCTGACAAATTCATCTGCATTAGAGAAAAAGTAGGAGAGCA
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CCAAATGTTAGTTC AAGATGAAGAGCCTCTTGCTGACATCACACAGATTGTAGATGTCTTTATGGAATAC
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 AACCCATTGTTTATGGTCAGCCCAAGTTGATGCTGACAGCAGGACCCAGTGTGCGCTCCCTCCCAAGGC
 ACCTTTTGGTTATGGTTATACCGCACCCCGTATGGACAGCCACAGCCTGGCTTTGGGTACAGCATGTGA

Restriction Sites: SgfI-MluI

ACCN:	NM_001288653
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_001288653.1</u> , <u>NP_001275582.1</u>
RefSeq Size:	8587 bp
RefSeq ORF:	5040 bp
Locus ID:	1213
Cytogenetics:	17q23.1
Protein Pathways:	Endocytosis, Huntington's disease, Lysosome
Gene Summary:	<p>Clathrin is a major protein component of the cytoplasmic face of intracellular organelles, called coated vesicles and coated pits. These specialized organelles are involved in the intracellular trafficking of receptors and endocytosis of a variety of macromolecules. The basic subunit of the clathrin coat is composed of three heavy chains and three light chains. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The resulting protein (isoform 2) is longer compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>