

## Product datasheet for SC125754

### Clathrin heavy chain (CLTC) (BC051800) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clathrin heavy chain (CLTC) (BC051800) Human Untagged Clone
Tag:	Tag Free
Symbol:	Clathrin heavy chain
Synonyms:	CHC; CHC17; clathrin, heavy chain (Hc); clathrin, heavy polypeptide (Hc); clathrin, heavy polypeptide-like 2; clathrin heavy chain 1; CLH-17; CLTCL2; Hc; KIAA0034
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC051800 edited

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CCCCGGTCCGCCATTGCGGCTCTCCTGGCCCCTGGAGCCTCCGCCCCGACCCGAGCTCT
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 AATTACTTAGAGACTGTGCCTCAAAATAGAATACAACAAGCTTCTAAAGTGCAAAAGGCT  
 TTCTAAGAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for BC051800 unedited  
 GGTCTTATTTGTATACACTTCTATAGCGCGCCGNATTCAGATCTGGTACCGGTCCGGA  
 ATTCCCGGATATCGTCGACCCACGCGTCCGCGACGCGTGGGCCGGTCCGCCATTGC  
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 TACCGTACAGATGCAAAACAAAGTGGTTACTTCTGACTGGTATATCTGCACAGCANAATC  
 GTGTGGNTGGGAGCTATGCAGCTATATTCTGTAGATAAGAAAGTGTCTCAGCCATTGAA

**Restriction Sites:**

NotI-NotI

**ACCN:**

BC051800

**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:**

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:**

[BC051800.2](#), [AAH51800.1](#)

**RefSeq Size:**

5264 bp

**Locus ID:**

1213

**Cytogenetics:** 17q23.1

**Protein Pathways:** Endocytosis, Huntington's disease, Lysosome

**Gene Summary:** 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]