

## Product datasheet for SC100866

### CHMP7 (NM\_152272) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CHMP7 (NM_152272) Human Untagged Clone
Tag:	Tag Free
Symbol:	CHMP7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100866 sequence for NM_152272 edited (data generated by NextGen Sequencing)

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ATGTGGTCCCGGAGCGGGAGGCCGAGGCCAGCCGGGGGAGACCCGGCGGGCCTTCTG
CCCCCGAGTGGGAGGAGGACGAGGAGCGCATGTCCCTTCTGTTCTCCGCTTTCAAGAGG
AGTCGCGAGGTGAACAGCACCGACTGGGACAGCAAGATGGGCTTCTGGGCGCCGTTGGTG
CTGAGCCACAGCCGCGCCAGGGGGTGGTGCGCCTGCGTCTGCGGGACTTGCAGGAGGCC
TTTCAGCGCAAGGGGAGCGTCCCCTGGGGCTGGCCACGGTGCTGCAGGACCTGCTGCGT
CGAGGGGAGCTGCAGCGGGAGTCAAGTTCATGGCCAGTGTAGACAGCAGCTGGATCTCC
TGGGGGGTTGGGGTCTTCTGCTGAAGCCTCTCAAGTGGACTCTTCTAACATGCTGGGA
GATAATAAGGTTCCAGCTGAGGAGGTCTTGTGCTGTGGAGCTGTTGAAGGAAAAGGCT
GAGGAGGTGATCGTCTGTATCAGAAGTCCGCTCCTCCACCCCGTGGTGGCCCTG
TCAGAGCTCAGCACCCCTCTGTGCTAACTCCTGCCAGATGAGAGGACCTTCTACTTGGTG
TTGCTGCAGCTGCAGAAGGAGAAGAGGGTCAAGTCTCGAGCAGAACGGGGAGAAGATT
GTGAAGTTTGCCCGAGGGCCACGTGCCAAGTCTCTCCAGTCAATGACGTAGATGTTGGG
GTGTACCAGTGTATGCAGAGTGAACAGCTTCTCTCACGAAAAGTGGAGTCTTATCCAG
GAAGCAGAGAGGTGTAAGAAGAAGCCCGCGGGCATGCCGAGCAGGAAAGAAGCAGCTG
GCACTGAGGTCTCTCAAGGCCAAGCAACGGACAGAGAAGCGCATCGAGGCCTTGCATGCC
AAGCTGGACTGTTCAAGGCATCCTGGACCGATCTATGCCTCCAGACAGATCAGATG
GTTTTTAAAGCCTACCAGGCTGGGGTAGGAGCACTCAAATCTCCATGAAGGATGTCACA
GTGGAGAAGGCAGAGAGCCTCGTGGATCAGATCCAAGAGCTCTGTGACACCCAGGATGAA
GTTTCTCAGACTCTGGCTGGTGGGGTAACAAATGGCTTAGATTTTGACAGTGAAGAACTG
GAGAAGGAATTGGACATCCTCCTCAGGATACCACAAAGAACCTTTGGATCTGCCTGAC
AACCCCGCAATAGGCATTTTACCAACAGCGTGCCTAACCTAGGATCTCAGATGCTGAA
CTTGAAGCTGAACTTGAGAACTGCTTATCAGAGGGAGGTTTGGTCCCAAGCAGTAA
TCTCCAAAAGGCAATTGGAACCGACTCTAAAGCCATTGTAG

```

Clone variation with respect to NM\_152272.3



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_152272 unedited  
 TGTATACGACTTCTATAGGGCGGCCCGAATTCGCACGAGGCTTGTGTTTCGCAGCCTT  
 GCCGTGGCTGGGGTTCCGATGTGGTCCCCGGAGCGGGAGGCCAGCCCGGGGA  
 GACCCGGCGGGCCTTCTGCCCCGAGTGGGAGGAGGACGAGGAGCGCATGTCCTTCTG  
 TTCTCCGCTTTCAAGAGGAGTCGCGAGGTGAACAGCACCAGCTGGGACAGCAAGATGGGC  
 TTCTGGGCGCCGTTGGTGTGAGCCACAGCCGCCAGGGGGTGGTGGCCTGCGTCTG  
 CGGGACTTGCAGGAGGCCCTTTCAGCGCAAGGGGAGCGTCCCGCTGGGGCTGGCCACGGTG  
 CTGCAGGACCTGCTGCGTCGAGGGGAGCTGCAGCGGGAGTCAGACTTCATGGCCAGTGTA  
 GACAGCAGCTGGATCTCCTGGGGGTTGGGGTCTTCTGCTGAAGCCTCTCAAGTGGACT  
 CTTTCTAACATGCTGGGAGATAATAAGGTTCCAGCTGAGGAGGTCTTGTGCTGTGGAG  
 CTGTTGAAGGAAAAGGCTGAGGAGGTGTATCGTCTGTATCAGAATCGCCCTCTCTCC  
 CACCCCGTGGTGGCCCTGTGAGAGCTCAGCACCCTCTGTGCTAACTCCTGCCAGATGAG  
 AGGACCTTCTACTTGGTGTGCTGCAGCTGCAGAAAGGAGAAGAGGGTACAGTCTCGAG  
 CAGAACGGGGAGAAAGATGTGAAGTTNGCCGAGGGCCACGTGCCAGGTCTCTCCAGTC  
 AATGACGTANATGTGGNGGTGTACCANCTGATGCANAGTGAACAGCTTCTCTCACGCCAA  
 TGGAGTCCTTATCCCAGAACAGANAGTGTAAAGAAAAGCCCGGCATGCCGAGCAGA  
 AAGAACACTGCCCTGAGTA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_152272 unedited  
 GTTCTACTATGNACCGCGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTAAGT  
 GTTCGGTTTTTCTTTAATTTACCAGATAAAAAAGAAAAAATAGTGATTGTTTCTC  
 TTCACCCCAACATTTCCGTTTACCAAGGTCGAGTTGGAGAGAAATTCATTGAACAACGA  
 TTTGTCTCCTGGCCTGGAGCAAATCTTCTCCTCTGCTCTACGCCACCTCAGGCAGCAG  
 GGACAGGGCAAAGGGCTCCAGGCAGAAATCCTGGTGGCTGGGACAGCAGAGTGGCAGTGTG  
 GCGATCGCTTCTTCTCGCCATTGCCAGAGCATTAGACCCTTTCCCGTCTGTCCCCTAC  
 CCCAAGTCCCCAGTCCCTCAAAGGAGGAGGAGTGGGACTGCAGGAAGCAGGACAGG  
 TGCACGGGTGGCCTGGGCAGCTCCCCACAGATCTGGCAGAGGGGACAACCCCTGTTCTA  
 TTGCACATCCTGGCTCAGCCCCCTGCCCGAGCAGTAGGCCACAAAATGAAACACTTTC  
 CAAATTCAGAGAGCCCGTGTGTGCCAGGCTCAAGGAGGGATGGTGTGTTGTGTGT  
 GGCTTGTCTGGAATAGATATGTATTTTTAAGTACTCCATGATGGGGCAAGGCAACA  
 ATTTTGCCTCTTGCATAAAGAGTCTGGACATCTCAGGGTCTGTAGTGACTGGGCCTCT  
 TCCCAGCGAGTGCAGAAGCCTCGGAAGAAGCCTTTCCCCACCGGGGACCTCCTGGCTCC  
 ATCAGATGAAAGAGCAGCGCCCCACGGCCACACCAGCCCTCCGGACTGTACGACTCTG  
 GGGCACTTGGGGCGACCTTTTCTCTGAACACTGGAGAATTCTGTCAAATGACCCTGGAA  
 A

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_152272

**Insert Size:**

2750 bp

**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:** [NM\\_152272.2](#), [NP\\_689485.1](#)

**RefSeq Size:** 3399 bp

**RefSeq ORF:** 1362 bp

**Locus ID:** 91782

**UniProt ID:** [Q8WUX9](#)

**Cytogenetics:** 8p21.3

**Domains:** SNF7

**Gene Summary:** ESCRT-III-like protein required to recruit the ESCRT-III complex to the nuclear envelope during late anaphase (PubMed:26040712). Together with SPAST, the ESCRT-III complex promotes nuclear envelope sealing and mitotic spindle disassembly during late anaphase (PubMed:26040712). Plays a role in the endosomal sorting pathway (PubMed:16856878). [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).