

## Product datasheet for **RC203967**

### CHMP6 (NM\_024591) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CHMP6 (NM\_024591) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CHMP6  
**Synonyms:** VPS20  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC203967 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTAACTGTTTCGGCCGAAGAAGCAGAGCCCGTACGGAGCAGGACAAGGCCATCCTGCAACTGA  
AGCAGCAGCGGGACAAGCTGAGGCAGTACCAGAAGAGGATCGCCAGCAGCTGGAGCGGAGCGCGCCCT  
GGCCCGGAGCTGCTGCGGGACGGCAGGAAGGAACGGCCAAGCTGCTGCTCAAGAAGAAGCGATACCAG  
GAGCAGCTCCTGGACAGGACGGAGAACCAGATCAGCAGCCTGGAGGCCATGGTTCAGAGTATTGAGTTCA  
CCCAGATCGAAATGAAAGTGATGGAGGGGCTGCAGTTTGGAAATGAGTGTCTGAACAAGATGCACCAGGT  
GATGTCCATTGAAGAGGTGGAGAGGATCCTGGACGAGACGAGGAGGCCCTGGAGTACCAGCGGCAATA  
GACGAGCTCCTGGCAGGAAGCTTCACTCAGGAGGATGAAGACGCCATCCTGGAGGAGCTGAGCGCAATCA  
CTCAGGAACAAATAGAGCTGCCAGAGGTTCCCTCCGAGCCCTTCTGAGAAGATCCCAGAAAACGTCCC  
TGTC AAGGCCAGGCCAGGCAGGCGGAGCTGGTGGCAGCTTCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC203967 protein sequence  
Red=Cloning site Green=Tags(s)

MGNLFGRKKQSRVTEQDKAILQLKQQRDKLRQYQKRIAQQLERERALARQLLRDGRKERAKLLKKKRYQ  
EQLLDRTENQISSLEAMVQSIEFTQIEMKVMGLQFGNECLNMHVMSIEEVERILDETQEAVEYQRQI  
DELLAGSFTQEDEDAILEELSAITQEIQIELPEVPSEPLPEKIPENVPVKARPRQAEVAAS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6422\\_g02.zip](https://cdn.origene.com/chromatograms/mk6422_g02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_024591

**ORF Size:** 603 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_024591.5](#)

**RefSeq Size:** 1678 bp

RefSeq ORF: 606 bp

Locus ID: 79643

UniProt ID: [Q96FZ7](#)

Cytogenetics: 17q25.3

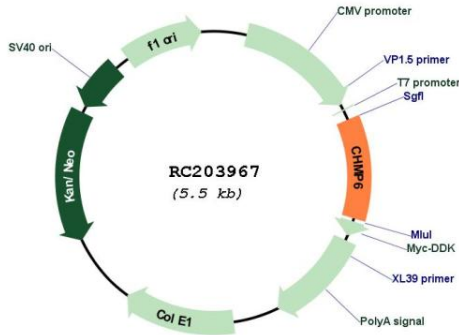
Domains: SNF7

Protein Pathways: Endocytosis

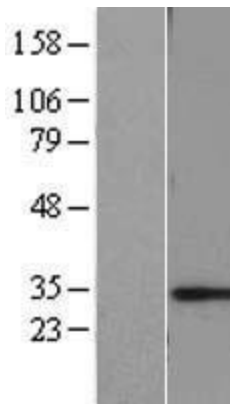
MW: 23.5 kDa

**Gene Summary:** This gene encodes a member of the chromatin-modifying protein/charged multivesicular body protein family. Proteins in this family are part of the ESCRT-III (endosomal sorting complex required for transport III) which degrades surface receptors, and in biosynthesis of endosomes. [provided by RefSeq, Mar 2012]

**Product images:**



Circular map for RC203967



Western blot validation of overexpression lysate (Cat# [LY411207]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203967 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).