

Product datasheet for **RC222461**

CHMP7 (NM_152272) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHMP7 (NM_152272) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CHMP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC222461 representing NM_152272
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGTCCCGGAGCGGGAGGCCAGCCGGGGAGACCCGGCGGCCTTCTGCCCCCGAGT
 GGGAGGAGGACGAGGAGCGCATGCTTCTCTGTTCTCCGCTTCAAGAGGAGTCGCGAGGTGAACAGCAC
 CGACTGGGACAGCAAGATGGCTTCTGGGCGCCGTTGGTCTGAGCCACAGCCGCCAGGGGGTGGTG
 CGCCTGCGTCTGCGGGACTTGCAGGAGGCCCTTTCAGCGCAAGGGGAGCGTCCCGCTGGGGCTGGCCACGG
 TGCTGCAGGACCTGCTGCGTCGAGGGGAGCTGCAGCGGGAGTCAGACTTCATGGCCAGTGTAGACAGCAG
 CTGGATCTCTGGGGGGTGGGGTCTTCTGCTGAAGCCTCTCAAGTGGACTCTTCTAACATGCTGGGA
 GATAATAAGGTTCCAGCTGAGGAGTCTTGTGCTGTGGAGCTGTTGAAGGAAAAGGCTGAGGAGGTGT
 ATCGTCTGTATCAGAACTCGCCCTCTCTCCACCCCGTGGTGGCCCTGTCAGAGCTCAGCACCCTCTG
 TGCTAACTCCTGCCAGATGAGAGGACCTTCTACTTGGTGTGCTGCAGCTGCAGAAGGAGAAGAGGGTC
 ACAGTCTCGAGCAGAACGGGGAGAAGATTGTGAAGTTTGCCCGAGGGCCACGTGCCAAGGTCTCTCCAG
 TCAATGACGTAGATGTTGGGGTGTACCAGCTGATGCAGAGTGAACAGCTTCTCTCACGAAAAGTGGAGTC
 CTTATCCCAGGAAGCAGAGAGGTGTAAGAAGAAGCCCGCGGGCATGCCGAGCAGGAAAGAAGCAGCTG
 GCACTGAGGTCTCTCAAGGCCAAGCAACGGACAGAGAAGCGCATCGAGGCCTTGCATGCCAAGCTGGACA
 CTGTTCAAGGCATCTGGACCGGATCTATGCCTCCAGACAGATCAGATGGTTTTAACGCCTACCAGGC
 TGGGGTAGGAGCACTCAAACCTCCATGAAGGATGTCACAGTGGAGAAGGCAGAGAGCCTCGTGGATCAG
 ATCCAAGAGCTCTGTGACACCCAGGATGAAGTTTCTCAGACTCTGGCTGGTGGGGTAACAAATGGCTTAG
 ATTTTGACAGTGAAGAAGTGGAGAAGGAATTGGACATCCTCCTCAGGATACCACCAAGAACCTTTGGA
 TCTGCCTGACAACCCCGCAATAGGCATTTTACCAACAGCGTGCCTAACCTAGGATCTCAGATGTGAA
 CTTGAAGCTGAACCTTGAGAACTGCTCTTATCAGAGGGAGGTTTGGTCCCAAGCAGTAAATCTCCAAAAA
 GGCAATTGGAACCGACTCTAAAGCCATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222461 representing NM_152272
 Red=Cloning site Green=Tags(s)

MWSPEREAEAPAGGDPAGLLPPEWEDEERMSFLFAFKRSREVNSTDWDSKMGFWAPLVLSHSRRQGVV
 RLRLRDLQEAQKGSVPLGLATVLDLLRRGELQRESDFMASVDSSWISWGVGVFLKPLKWL SNMLG
 DNKVPAAEVLVAVELLKEKAEVYRLYQNSPLSSHPVVALSELSTLCANSCPDERTFYLVLLQLQKEKRV
 TVLEQNGEKIVKFARGPRAKVSPVNDVDVGVYQLMQSEQLLSRKVESLSQEAERCKEEARRACRAGKKQL
 ALRSLKAKQRTEKRIEALHAKLDTVQGILDRIYASQTDQMFVNAVQAGVGALKLSMKDVTVEKAESLVDQ
 IQELCDTQDEVSQTLAGGVTNGLDFDSEEEKELDILLQDTTKEPLDLPDNPNRHFTNSVNPRI SDAE
 LEAELEKLSLSEGLVPSKSPKRQLEPTLKPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8116_e12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_152272

ORF Size: 1359 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.

RefSeq: [NM_152272.5](#)
RefSeq Size: 3420 bp

RefSeq ORF: 1362 bp

Locus ID: 91782

UniProt ID: [Q8WUX9](#)

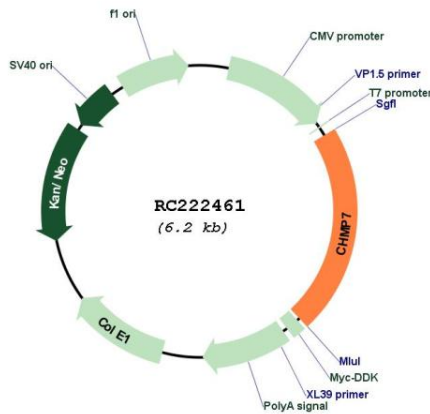
Cytogenetics: 8p21.3

Domains: SNF7

MW: 50.9 kDa

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]

Product images:



Circular map for RC222461