

Product datasheet for **MR207199**

Chmp7 (NM_134078) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chmp7 (NM_134078) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chmp7
Synonyms:	4930596K11Rik; 6330407G04Rik; AI450338; AW550775
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR207199 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGTCCCGGAGCGGGAGGCCAGGCCCGACCGGGGAGACCCGGCGGGCCTCCTGCCCGCGAGT
GGGAGGAGGATGAGGAGCGCATGTCTTTCTGTCTCCGCCTTTAAGAGGAGTCGCGAGGTGAACAGCAC
CGACTGGGACAGCAAGATGGGCTTCTGGGCTCCGTTGGTCTGAGCCACAGCCGCCCAAGGGTGGTG
CGCCTGCGACTGCGGGACTTGCAGGAGGCCTCCAGCGCAAGGGCAGTGTCCCGTGGGGCTGGTACGG
TGCTGCAGGACCTGCTGCGTCGAGGCGAGCTGCAGCGAGAGTCAGACTTCATGGCCAGTGTGGACAGCAG
CTGGATCTCTGGGGGTGCGGCTCTTCTGCTGAAGCCCCTCAAGTGGACTCTTCTAACATGCTGGGG
GATCACAAAGTCCAGCGGAGGAGGTGCTGGTGGCTGTGGAGCTGCTGAAGGAAAAGCCGAGGAGGTGT
ATCGCCTATACCAGAACTCGCCCTCTCCTCCCACCTGTGGTGGCCCTGTCAGAGCTGAGTGTCTGTG
CGCAACTCCTGCCCGGATGAGAGGACCTTCTACCTCGTCTGCTGCAGCTGCAGAAGGAGAAGAGAGTC
ACTGTCTTGGAGCAGAATGGAGAGAAGATTGTGAAGTTTGCCAGGGGACCACATGCCAAGGTATCTCCTG
TGAACGACGTGGATGTTGGGGTCTACCAGCTGATGCAGAGTGAGCAGCTCCTCTCTCGGAAGGTCGAGTC
TTTATCCCAAGAGTCTGAGAGGTGCAAAGAGGAAGCCCGCGGCATGCCGAGCAGGAAAGAAGCAGCTG
GCACTGAGGTCTCTCAAGGCCAAGCAGAGGACAGAGAAACGCATTGAGGCCCTGCATGCCAAGCTGGACA
CTGTTCAAGGCATCCTGGATCGCATCTATGCCTCCAGACTGATCAGATGGTTTTTAATGCCTACCAAGC
TGGTGTGGGAGCCTTGAAGCTCTCCATGAAGGATGTCACAGTGGAGAAAGCAGAGAGCCTTGTGGATCAG
ATCCAGGAGCTTTGTGACACGCAAGATGAAGTTTCTCAGACTCTGGCTGGTGGAGTAACCAATGGTTTAG
ATTTTGACAGTGAGGAACTGGAGAAGGAGTTGGACATCCTCCTCAGGACACCACCAGAGAACCTTTGAG
CCTGCTCGAAACCCCGAGGAGACAACGCTTTATACCAACAGTGTGCCTAAGCCTAGGATCTTGGATGCT
GAAGTGAAGCTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG
AAAGGCAATTGGAGCCAATCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207199 protein sequence
Red=Cloning site Green=Tags(s)

MWSPEREAQAPTGGDPAGLLPPEWEDEERMSFLFSAFKRSREVNSTDWDSKMGFWAPLVLSHSRRQGVV
RLRLRDLQEAQFKKGSVPLGLATVLDLLRRGELQRESDFMASVDSSWISWVGVFLLKPLKWTLSNMLG
DHKVPAEEVLVAVELLKEKAEVYRLYQNSPLSSHVVVALSELALCANS CPDERTFYLVLLQLQKEKRV
TVLEQNGEKIVKFARGPHAKVSPVNDVDVGVYQLMQSEQLLSRKVESLSQESERCKEEARRACRAGKKQL
ALRSLKAKQRTKRIEALHAKLDTVQGILDRIYASQTDQMVFNAYQAGVGALKLSMKDVTVEKAESLVDQ
IQELCDTQDEVSQTLAGVVTNGLDFDSEEEKELDILLQDTTTEPLSLETPQETTLTYNSVPKPRILDA
ELEAELEKLSLSEGLIPSSKSPKRQLEPTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_134078

ORF Size: 1356 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_134078.4](#)

RefSeq Size: 2706 bp

RefSeq ORF: 1356 bp

Locus ID: 105513

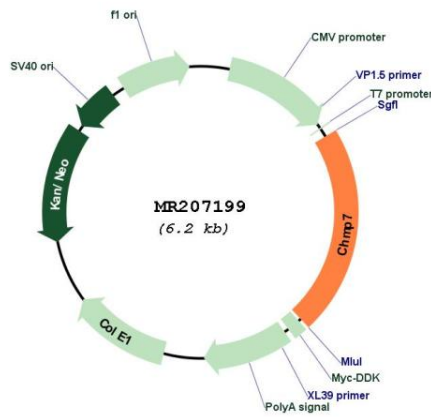
UniProt ID: [Q8R1T1](#)

Cytogenetics: 14 D2

MW: 50.6 kDa

Gene Summary: ESCRT-III-like protein required to recruit the ESCRT-III complex to the nuclear envelope during late anaphase. Together with SPAST, the ESCRT-III complex promotes nuclear envelope sealing and mitotic spindle disassembly during late anaphase. Plays a role in the endosomal sorting pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207199