

## Product datasheet for **RR212482**

### Chmp3 (NM\_172331) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Chmp3 (NM\_172331) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Chmp3  
Synonyms: Vps24  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR212482 representing NM\_172331  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCTGTTTGAAAAACCAAGAGAAGCCTCCAAAGAGCTGGTTAATGAATGGTCACTGAAGATCA  
GAAAGGAAATGAGAGTTGTAGACAGACAAATAAGAGATATCCAAAGAGAAGAAGAGAAAAGTAAAACGGTC  
TGTGAAAGATGCAGCCAAGAAGGGCCAAAAAGAAGTCTGTGTGGTTCTGGCCAAGGAGATGATCAGGTCA  
AGGAAGGCTGTGAGCAAGCTCTATGCATCCAAAGCACACATGAACTCTGTGCTCATGGGCATGAAGAACC  
AACTTGCGGTCTGAGAGTAGCGGGTCCCTGCAGAAGAGCACGGAAGTATGAAGGCAATGCAGAGTCT  
TGTGAAGATCCCAGAAATCCAGGCCACCATGAGGGAGCTGTCCAAAGAGATGATGAAGGCTGGAATCATA  
GAAGAGATGTTAGAGGATACGTTTAAAAGCATGGATGATCAAGAGGAAATGGAAGAAGCAGCAGAAATGG  
AGATTGACAGGATCCTCTTTGAAATCACAGCAGGAGCCTTGGGCAAAGCACCCAGTAAAGTAAACCGATGC  
CCTTCTGAGCCTGAACCCGAGGAGCGATGGCTGCCTCGGAAGGAGATGAGGAAGATGATGAAGAGGAC  
CTGGAGGCTATGCAGTCCCGCTGGCCACACTCAGAAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR212482 representing NM\_172331  
Red=Cloning site Green=Tags(s)

MGLFGKTQEKPPKELVNEWSLKIRKEMRVVDRQIRDIQREEEKVKRSVKDAAKKGQKEVCVVLAKEMIRS  
 RKAVSKLYASKAHMNSVLMGMKNQLAVLRVAGSLQKSTEVKAMQSLVKIPEIQATMREL SKEMMKAGII  
 EEMLEDTFESMDDQEEEMEEAAEMEIDRILFEITAGALGKAPSKVTDALPEPEPAGAMAASEGDEEDDEED  
 LEAMQSRLATLRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

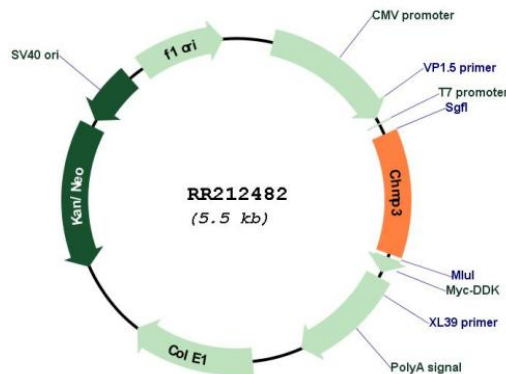
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_172331

**ORF Size:** 669 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_172331.1</a> , <a href="#">NP_758834.1</a>
<b>RefSeq Size:</b>	831 bp
<b>RefSeq ORF:</b>	672 bp
<b>Locus ID:</b>	282834
<b>UniProt ID:</b>	<a href="#">Q8CGS4</a>
<b>Cytogenetics:</b>	4q31
<b>MW:</b>	25.1 kDa
<b>Gene Summary:</b>	binds phosphatidylinositol 3,5- and phosphatidylinositol-4,5-bisphosphates; involved in endosome homeostasis [RGD, Feb 2006]