

Product datasheet for **RC231030**

VPS24 (CHMP3) (NM_001193517) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VPS24 (CHMP3) (NM_001193517) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CHMP3
Synonyms: CGI-149; NEDF; VPS24
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231030 representing NM_001193517
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTGTTTGAAAGACCCAGGAGAAGCCGCCAAAGAAGCTGGTCAATGAGTGGTCATTGAAGATAA
GAAAGGAAATGAGAGTTGTTGACAGGCAAATAAGGGATATCCAAAGAGAAGAAGAAAAGTGAAACGATC
TGTGAAAGATGCTGCCAAGAAGGCCAGAAGGATGTCTGCATAGTTCTGGCCAAGGAGATGATCAGGTCA
AGGAAGGCCATGCAAAGTCTTGTGAAGATTCCAGAGATTCAGGCCACCATGAGGGAGTTGTCAAAGAAA
TGATGAAGGCTGGGATCATAGAGGAGATGTTAGAGGACACTTTTAAAAGCATGGACGATCAGGAAGAAAT
GGAGGAAGAAGCAGAAATGGAAATTGACAGAATTCTTTGAAATTACAGCAGGGGCCTTGGGCAAAGCA
CCCAGTAAAGTGACTGATGCCCTTCCAGAGCCAGAACCTCCAGGAGCGATGGCTGCCTCAGAGGATGAGG
AGGAGGAGGAAGAGGCTCTGGAGCCATGCAGTCCCGGCTGGCCACACTCCGCAGC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231030 representing NM_001193517
Red=Cloning site Green=Tags(s)

MGLFGKTQEKPPKELVNEWSLKIRKEMRVVDRQIRDIQREEEKVRSVKDAAKKGQKDVCIVLAKEMIRS
RKAMQSLVKIPEIQATMRELSKEMMKAGIIEEMLEDTFESMDDQEEMEEEAEMEIDRILFEITAGALGKA
PSKVTDALPEPEPPGAMAASEDEEEEEEALEAMQSRLATLRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

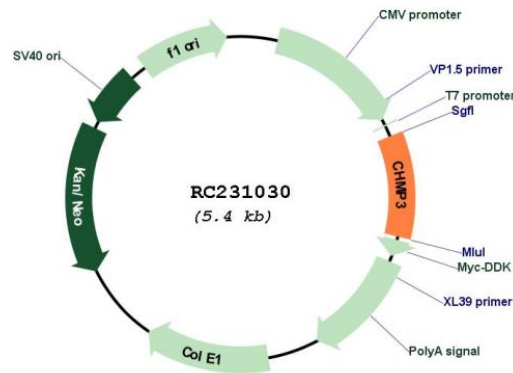
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001193517

ORF Size: 546 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:	<ol style="list-style-type: none">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:	<u>NM_001193517.2</u>
RefSeq ORF:	549 bp
Locus ID:	51652
UniProt ID:	<u>Q9Y3E7</u>
Cytogenetics:	2p11.2
Protein Pathways:	Endocytosis
MW:	21.2 kDa
Gene Summary:	<p>This gene encodes a protein that sorts transmembrane proteins into lysosomes/vacuoles via the multivesicular body (MVB) pathway. This protein, along with other soluble coiled-coil containing proteins, forms part of the ESCRT-III protein complex that binds to the endosomal membrane and recruits additional cofactors for protein sorting into the MVB. This protein may also co-immunoprecipitate with a member of the IFG-binding protein superfamily. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the upstream ring finger protein 103 (RNF103) gene. [provided by RefSeq, Nov 2010]</p>