

Product datasheet for **RG231030**

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: TurboGFP
Symbol: CHMP3
Synonyms: CGI-149; NEDF; VPS24
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231030 representing NM_001193517
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCTGTTTGGAAAGACCCAGGAGAAGCCGCCAAAGAAGCTGGTCAATGAGTGGTCATTGAAGATAA
 GAAAGGAAATGAGAGTTGTTGACAGGCAAATAAGGGATATCCAAAGAGAAGAAGAAAAAGTGAAACGATC
 TGTGAAAGATGCTGCCAAGAAGGCCAGAAGGATGTCTGCATAGTTCTGGCCAAGGAGATGATCAGGTCA
 AGGAAGGCCATGCAAAGTCTTGTGAAGATTCCAGAGATTCAGGCCACCATGAGGGAGTTGTCCAAGAAA
 TGATGAAGGCTGGGATCATAGAGGAGATGTTAGAGGACACTTTTGAAGCATGGACGATCAGGAAGAAAT
 GGAGGAAGAAGCAGAAATGGAAATTGACAGAATTCTTTGAAATTACAGCAGGGCCTTGGGCAAAGCA
 CCCAGTAAAGTGACTGATGCCCTTCCAGAGCCAGAACCTCCAGGAGCGATGGCTGCCTCAGAGGATGAGG
 AGGAGGAGGAAGAGGCTCTGGAGGCCATGCAGTCCCGGCTGGCCACACTCCGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231030 representing NM_001193517
 Red=Cloning site Green=Tags(s)

MGLFGKTQEKPPKELVNEWSLKIRKEMRVVDRQIRDIQREEEKVRSVKDAAKKGQKDVCIVLAKEMIRS
 RKAMQSLVKIPEIQATMRELSKEMMKAGIIEEMLEDTFESMDDQEEMEEEAEMEIDRILFEITAGALGKA
 PSKVTDALPEPEPPGAMAASEDEEEEEALEAMQSRLATLRS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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 Size:	3074 bp
RefSeq ORF:	549 bp
Locus ID:	51652
UniProt ID:	<u>Q9Y3E7</u>
Cytogenetics:	2p11.2
Protein Pathways:	Endocytosis
Gene Summary:	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]