

Product datasheet for **RC231100**

RNF103-CHMP3 (NM_001198954) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	RNF103-CHMP3
Synonyms:	CGI149; CHMP3; hVps24; NEDF; RNF103-VPS24; VPS24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231100 representing NM_001198954
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGTGAGCTCTATTCTGCTCTCAAGGAAGAAGAAGCATCCGAATCGGTTTCTAGTACCAATTTCA
GTGGTGAATGCACTTCTATGAGCTTGGAAGACACAAAAGATGGCATCTGGCTGGTTCAGGTCAATGA
GTGGTCATTGAAGATAAGAAAGGAAATGAGAGTTGTTGACAGGCAAATAAGGGATATCCAAAGAGAAGAA
GAAAAAGTGAACGATCTGTGAAAGATGCTGCCAAGAAGGGCCAGAAGGATGTCTGCATAGTTCTGGCCA
AGGAGATGATCAGGTCAAGGAAGGCTGTGAGCAAGCTGTATGCATCCAAAGCACACATGAACCTCAGTGCT
CATGGGGATGAAGAACCAGCTCGCGGTCTTGCGAGTGGCTGGTTCCTGCAGAAGAGCACAGAAGTGATG
AAGGCCATGCAAAGTCTGTGAAGATTCCAGAGATTCAGGCCACCATGAGGGAGTTGTCCAAAGAAATGA
TGAAGGCTGGGATCATAGAGGAGATGTTAGAGGACACTTTTGAAAGCATGGACGATCAGGAAGAAATGGA
GGAAAGAAGCAGAAATGGAATTTGACAGAATTCTCTTTGAAATTACAGCAGGGGGCCTTGGGCAAGCACCC
AGTAAAGTGACTGATGCCCTTCCAGAGCCAGAACCTCCAGGAGCGATGGCTGCCTCAGAGGATGAGGAGG
AGGAGGAAGAGGCTCTGGAGGCCATGCAGTCCCGGCTGGCCACACTCCGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC231100 representing NM_001198954
Red=Cloning site Green=Tags(s)

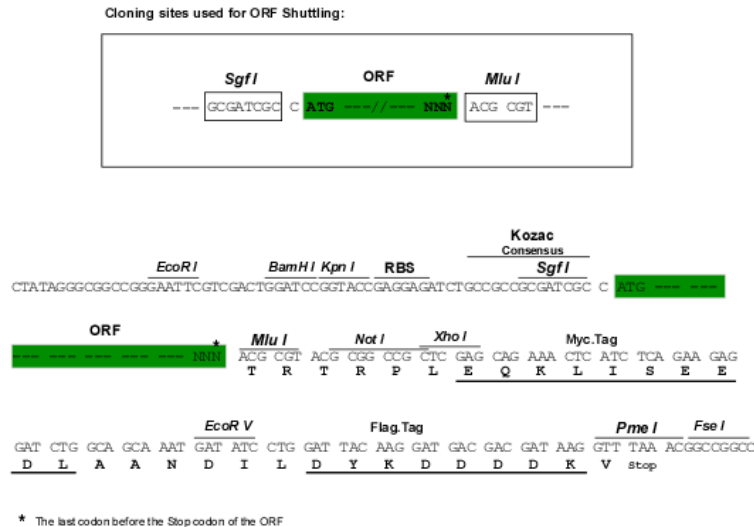
MEGELYSALKEEEASESVSSTNFSGEMHFYELVEDTKDGIWLVQVNEWSLKIRKEMRVVDRQIRDIQREE
EKVKRSVKDAAKKGQKQDVCIVLAKEMIRSRKAVSKLYASKAHMNSVLMGMKNQLAVLRVAGSLQKSTEVM
KAMQSLVKIPEIQATMREL SKEMMKAGIEEMLEDTFESMDDQEEMEEAEIDRILFEITAGALGKAP
SKVTDALPEPEPPGAMAASEDEEEEEEALAMQSRLATLRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1259_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001198954

ORF Size: 753 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001198954.1](#), [NP_001185883.1](#)

RefSeq ORF: 756 bp

Locus ID: 100526767

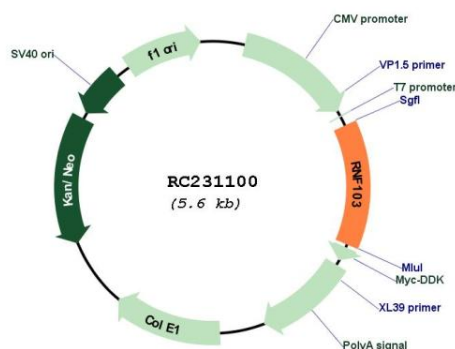
UniProt ID: [Q9Y3E7](#)

Cytogenetics: 2p11.2

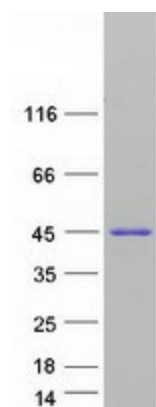
MW: 28.8 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring RNF103 (ring finger protein 103) and CHMP3 (charged multivesicular body protein 3) genes. The read-through transcript encodes a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RC231100



Coomassie blue staining of purified RNF103-CHMP3 protein (Cat# [TP331100]). The protein was produced from HEK293T cells transfected with RNF103-CHMP3 cDNA clone (Cat# RC231100) using MegaTran 2.0 (Cat# [TT210002]).