

Product datasheet for **RC228780**

RNF182 (NM_001165033) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF182 (NM_001165033) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF182
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC228780 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGTCAACCTCCTGAAGACACTGCGGAGTCTCAGGCCTCTGATGAGCTGGAGTGCAAAATCTGTT
ACAATCGATAACAATCTGAAACAGAGGAAACCCAAAGTCTGGAGTGTTCATAGGGTTTGTGCCAAATG
CCTCTACAAGATCATAGACTTTGGGGACTCCCCACAAGGTGTCATTGTCTGTCCTTTCTGCAGGTTTGAG
ACGTGCCTGCCAGATGATGAAGTTAGTAGCCTGCCGATGACAACAACATCCTTGTAACCTTGACTGTG
GAGGCAAAGGGAAGAAGTGCCTGCCAGAGAACCCTACTGAGCTGCTCACCCCAAGAGGCTGGCCTC
TCTGGTCAGTCCCTCTCACACGTCTCCAACCTGCCTGGTCATAACCATCATGGAGGTGCAGAGAGAGAGC
TCCCCGTCCCTGAGCTCCACTCCTGTGGTAGAATTTTATAGGCCTGCGAGTTTCGACTCTGTCACCACTG
TGTACACAACCTGGACTGTGTGGAAGTGCACGTCCCTGCTGTTTCAGACATCCATCCGGGTGTTAGTGTG
GTTGCTAGGTTTGTCTACTTCAGCTCCTTACCCTTAGGAATCTACTTACTGGTGTCTAAGAAAGTCACC
CTTGGGGTCGTCTTTGTCAGCCTGGTCCCTTCGAGCCTCGTTATTCTTATGGTGTATGGTTTTTGCCAGT
GTGTTTGCATGAATTTCTAGACTGTATGGCACCTCCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC228780 protein sequence
 Red=Cloning site Green=Tags(s)

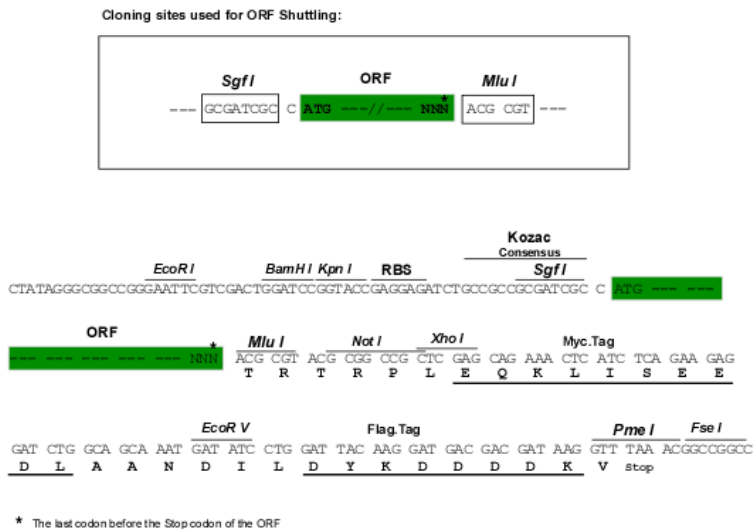
MASQPPEDTAESQASDELECKICYNRYNLKQRKPKVLECCHRVC AKCLYKIIDFGDSPQGVIVPCFCRFE
 TCLPDDEVSSLPDDNNILVNLTCGGK GKCLPENPT ELLLTPKRLASLVSPSHTSSNCLVITIMEVQRES
 SPSLSSTPVVEFYRPASFDSVTTVSHNWTVMNCTSLLFQTSIRVLVWLLGLLYFSSPLPLGIYLLVSKKVT
 LGVVFVSLVPSLVILMVYGFCQVCHEFLDCMAPP S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8075_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001165033

ORF Size: 741 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_001165033.1](#), [NP_001158505.1](#)

RefSeq Size: 3284 bp

RefSeq ORF: 744 bp

Locus ID: 221687

UniProt ID: [Q8N6D2](#)

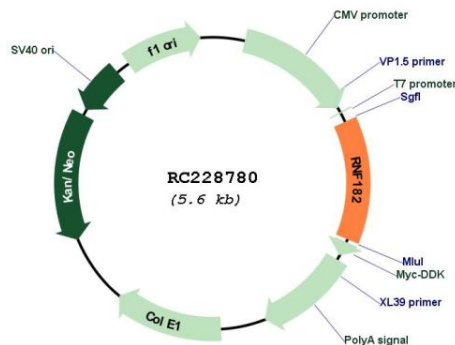
Cytogenetics: 6p23

Protein Families: Druggable Genome, Transmembrane

MW: 27.4 kDa

Gene Summary: E3 ubiquitin-protein ligase that mediates the ubiquitination of ATP6V0C and targets it to degradation via the ubiquitin-proteasome pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC228780