

Product datasheet for RC229451

RNF160 (LTN1) (NM_015565) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF160 (LTN1) (NM_015565) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF160
Synonyms:	C21orf10; C21orf98; RNF160; ZNF294
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229451 representing NM_015565 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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GTTCTCAAAGACCCAGGATTGCAACATGGGCAGCTATTTAACCATTTAGCAGAACTCTAAGTTCCTGGG
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ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC229451 representing NM_015565
Red=Cloning site Green=Tags(s)

MDRVGGGKPGGSYYRVSSAARSRLCPGRVNRGLSAQSTAATATMGGKKNQRTKGNLRPSNSGRAAEL
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DETETVKGVLPIYWPRIFFCKISLDHRRVREATQQAPEKILKVKKQLAPYLKSLMGYWLMAQCPTYPAAF
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IDDSPIVCPALWEAVLYLTTIEDCWLHVNAKKSVPKLVSTVIREGGRGLATVIYPLLPIFKLPQSI
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VLKDPGLQHQQLFNHLAETLSSWEAKADTEKDEKTAHNLENL IHFWERLSEICVAKISEPEADVSVLG
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DEEEEPALSPPAALMSLLSIQEDLLENLGCIPVQIVTIKPLSEDFCYVLGYLLTWKILITFFKAASSQ
LRALYSMYLRKTKSLNKLHYLFRMPENPTYAETAVEVPNKDPKTFTEELQLSIRETTMLPYHIPHLA
CSVYHMTLKDLPAMVRLWNSSEKRVFNIVDRFTSKYVSSVLSFQEISSVQSTQLFNGMTVKARATRE
VMATYTIEDIVIELIIQLPSNYPLGSIIVESGKRVGAVQQWRNWMQLSTYLTHQNGSIMEGLALWKNN
VDKRFEGVEDCMICFSVIHGFNYSPLPKACRTCKKKFHSACLKWFYSSNKSTCPLCRETFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8035_d10.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015565

ORF Size: 5436 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_015565.2](#), [NP_056380.2](#)

RefSeq ORF: 5301 bp

Locus ID: 26046

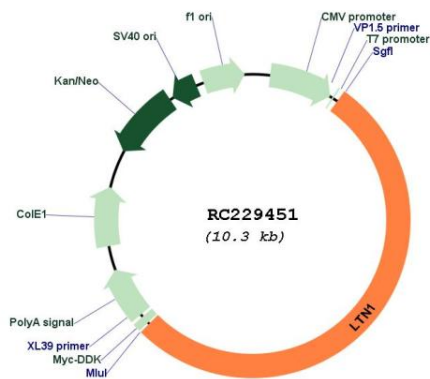
UniProt ID: [O94822](#)

Cytogenetics: 21q21.3

MW: 205 kDa

Gene Summary: Like most RING finger proteins, LTN1 functions as an E3 ubiquitin ligase (Chu et al., 2009 [PubMed 19196968]).[supplied by OMIM, Nov 2010]

Product images:



Circular map for RC229451