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Product datasheet for RC202967

CCDC115 (NM_032357) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC115 (NM_032357) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC115
Synonyms:	ccp1; CDG2O
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC202967 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGCTTGACCTGCGAGCGGAGCTGGATTCGCTGGTCCTGCAGCTGCTTGGGGACCTGGAGGAGC
TGGAGGGGAAACGAACGGTGTTGAACGCCCGGGTGGAGGAGGGCTGGCTCTCGCTCGCCAAGGCTCGCTA
CGCGATGGGCGCCAAGTCGGTAGGGCCCCTGCAGTATGCTTCCCACATGGAGCCCCAGGTCTGCCTCCAC
GCCAGCGAGGCCCAGGAGGGACTCCAGAAGTTCAAGGTGGTGAGAGCTGGTGTCCACGCCCCAGAGGAGG
TGGGGCCTCGCGAAGCAGGTCTGCGGAGGCGCAAGGGCCCCACTAAGACCCCAGAACCGGAGTCCTCTGA
GGCCCCTCAGGACCCCCTGAACTGGTTTGGAATCCTAGTTCCTCACAGTCTACGTCAGGCTCAAGCAAGC
TTCCGGGATGGCCTGCAGCTGGCCGCAGACATAGCCAGCCTCCAGAACCGCATTGACTGGGGTCGAAGCC
AGCTCCGGGGACTCCAAGAGAAACTCAAGCAGCTGGAGCCTGGGGCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202967 protein sequence
Red=Cloning site Green=Tags(s)

MAALDLRAELDSLVLQLLGDLEELEGKRTVLNARVEEGWLSLAKARYAMGAKSVGPLQYASHMEPQVCLH
ASEAQEGLQKFKVVRAGVHAPEEVGPREAGLRRRKGPTKTPEPESSEAPQDPLNWFGILVPHSLRQAQAS
FRDGLQLAADIASLQNRIDWGRSQLRGLQEKLKQLEPGAA

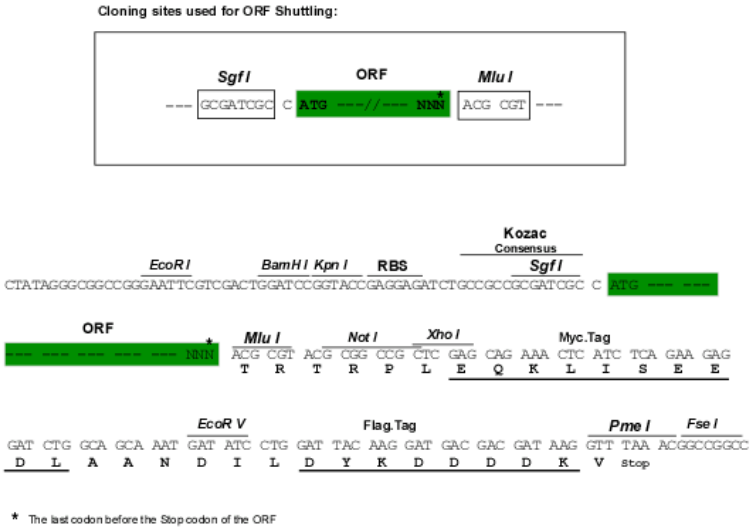
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6411_a11.zip

View online »

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032357

ORF Size: 540 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.

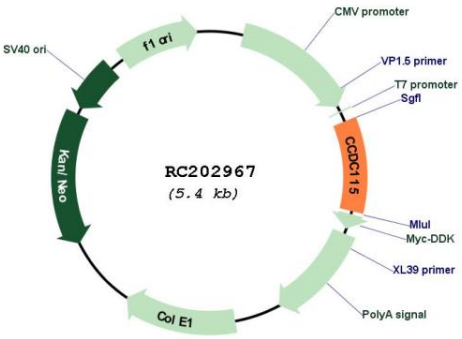
RefSeq: NM_032357.4

RefSeq Size: 2000 bp

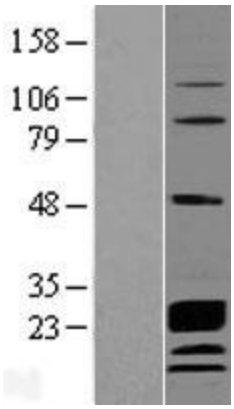
RefSeq ORF: 543 bp

Locus ID:	84317
UniProt ID:	Q96NT0
Cytogenetics:	2q21.1
MW:	19.8 kDa
Gene Summary:	The protein encoded by this gene has been observed to localize to the endoplasmic reticulum (ER)-Golgi intermediate compartment (ERGIC) and coat protein complex I (COPI) vesicles in some human cells. The encoded protein shares some homology with the yeast V-ATPase assembly factor Vma22p, and the orthologous protein in mouse promotes cell proliferation and suppresses cell death. Defects in this gene are a cause of congenital disorder of glycosylation, type IIo in humans. [provided by RefSeq, Mar 2016]

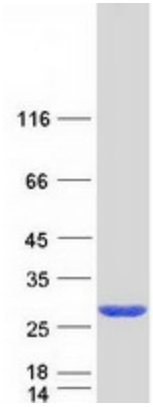
Product images:



Circular map for RC202967



Western blot validation of overexpression lysate (Cat# [LY410194]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202967 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCDC115 protein (Cat# [TP302967]). The protein was produced from HEK293T cells transfected with CCDC115 cDNA clone (Cat# RC202967) using MegaTran 2.0 (Cat# [TT210002]).