OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC222741

C10orf118 (CCDC186) (NM_018017) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C10orf118 (CCDC186) (NM_018017) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C10orf118
Synonyms:	C10orf118; CCCP-1; golgin104
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC222741 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGAGACAGACCACATAGCCTCTACTTCCTCTGATAAAAATGTTGGGAAAACACCTGAATTAAAGG
AAGACTCATGCAACTTGTTTTCTGGCAATGAAAGCAGCAAATTAGAAAATGAGTCCAAACTATTGTCATT
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CCAGATCATGGTGGAGGTGAGGATTCTTGTGCCAAAACAGACACAGGCTCAGAAAATTCTGAACAAATAG
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CCAGCATGAACTAGAACAGAGGACAAAGAAAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222741 protein sequence
Red=Cloning site Green=Tags(s)

MSETDHIASTSSDKNVGKTPELKEDSCNLFSGNESSKLENESKLLSLNTDKTLCQPNEHNNRIEAQENYI
PDHGGGEDSCAKTDTGSENSEQIANFPSGNFAKHISKTNETEQKVTQILVELRSSTFPESANEKTYSESP
YDTDCTKKFISKIKSVSASEDLLEEIESELLSTEFAEHRVPNGMNKGEHALVLFEKCVQDKYLQQEHIIK
KLIKENKKHQELFVDICSEKDNLREELKKRTETEKQHMNTIKQLESRIEELNKEVKASRDQLIAQDVTAK
NAVQQLHKEMAQRMEQANKKCEEARQEKEAMVMKYVRGEKESLDLRKEKETLEKKLRDANKELEKNTNKI
KQLSQEKGRLHQLYETKEGETTRLIREIDKLKEDINSHVIKVKWAQNKLKAEMDSHKETKDKLKETTTKL
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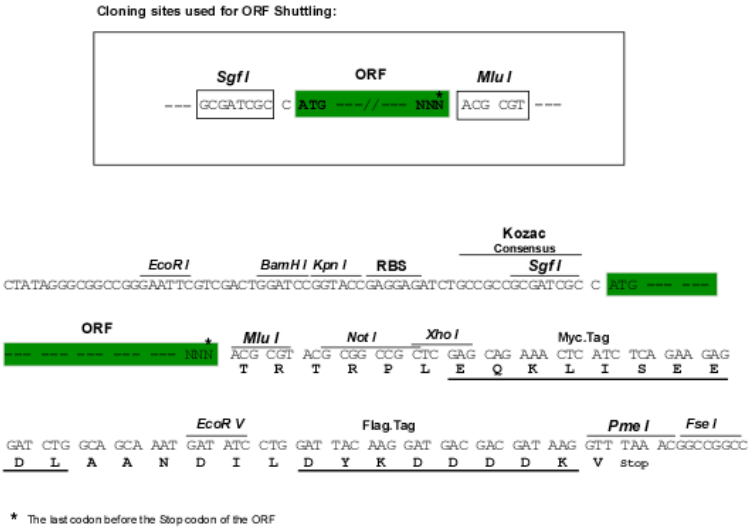
KEEVESLNSLINDLQKDIEGSRKRESELLLFTERLTSKNAQLQSESNSLQSQFDKVSCSESQLQSQCEQM
KQTNINLESRLLKEEELRKEEVQTLQAELACRQTEVKALSTQVEELKDELVTQRRKHASSIKDLTKQLQQ
ARRKLDQVESGSYDKEVSSMGSRSSSSGSLNARSSAEDRSPENTGSSVAVDNFPQVDKAMLIERIVRLQK
AHARKNEKIEFMEDHIKQLVEEIRKKTKIIQSYILREESGTLSSEASDFNKVHLSRRGGIMASLYTSHPA
DNGLTLELSLEINRKLQAVLEDTLLKNITLKENLQTLGTEIERLIKHQHELEQRTKKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6601_b07.zip

Restriction Sites: SgfI-MluI

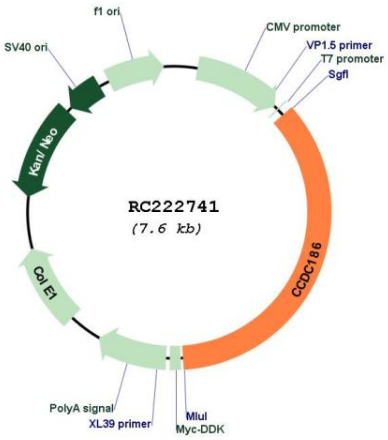
Cloning Scheme:



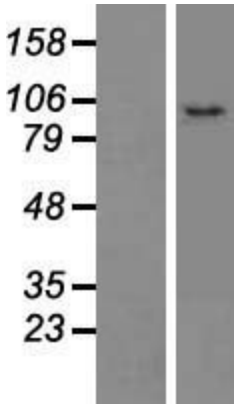
ACCN: NM_018017

ORF Size:	2694 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_018017.4
RefSeq Size:	6277 bp
RefSeq ORF:	2697 bp
Locus ID:	55088
UniProt ID:	Q7Z3E2
Cytogenetics:	10q25.3
MW:	103.7 kDa

Product images:



Circular map for RC222741



Western blot validation of overexpression lysate (Cat# [LY413382]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222741 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).