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Product datasheet for RC209719

CDC26 (NM_139286) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDC26 (NM_139286) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDC26
Synonyms:	ANAPC12; APC12; C9orf17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209719 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTGAGACGGAAACCAACACGCCTAGAGCTAAAGCTTGATGACATTGAAGAGTTTGAGAACATTCGAA AGGACCTGGAGACCCGTAAGAAACAGAAGGAAGATGTGGAAGTTGTAGGAGGCAGTGATGGAGAAGGAGC CATTGGGCTTAGCAGTGATCCCAAGAGCCGGGAACAAATGATCAATGATCGGATTGGTTATAAACCCCAA CCCAAGCCCAATAATCGTTCATCTCAATTTGGAAGTCTTGAATTT ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC209719 protein sequence Red=Cloning site Green=Tags(s) MLRRKPTRLELKLDDIEEFENIRKDLETRKKQKEDVEVVGGSDGEGAIGLSSDPKSREQMINDRIGYKPQ PKPNNRSSQFGSLEF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6529_b12.zip
Restriction Sites:	SgfI-MluI

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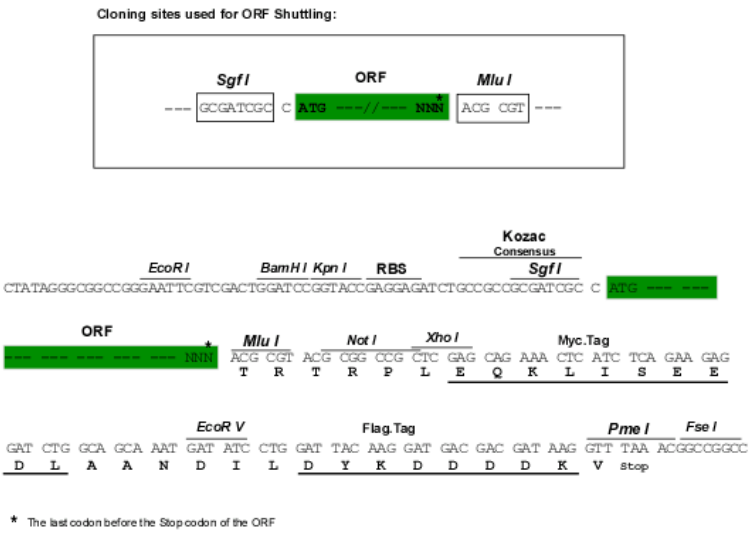
Cloning Scheme:



ACCN:	NM_139286
ORF Size:	255 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_139286.4
RefSeq Size:	885 bp
RefSeq ORF:	258 bp
Locus ID:	246184

UniProt ID: Q8NHZ8

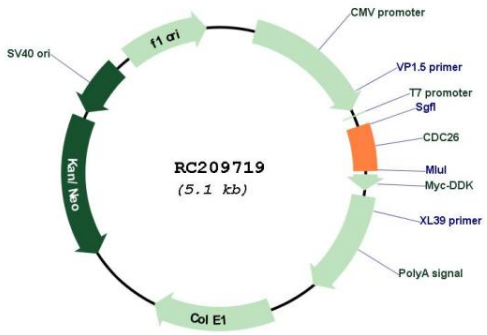
Cytogenetics: 9q32

Protein Pathways: Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

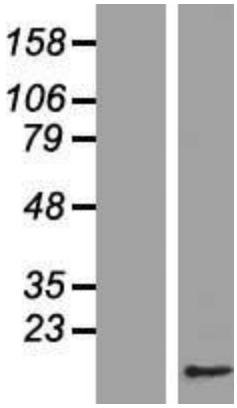
MW: 9.8 kDa

Gene Summary: The protein encoded by this gene is highly similar to Saccharomyces cerevisiae Cdc26, a component of cell cycle anaphase-promoting complex (APC). APC is composed of a group of highly conserved proteins and functions as a cell cycle-regulated ubiquitin-protein ligase. APC thus is responsible for the cell cycle regulated proteolysis of various proteins. [provided by RefSeq, Jul 2008]

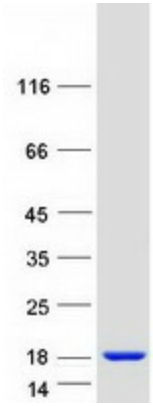
Product images:



Circular map for RC209719



Western blot validation of overexpression lysate (Cat# [LY408342]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209719 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CDC26 protein (Cat# [TP309719]). The protein was produced from HEK293T cells transfected with CDC26 cDNA clone (Cat# RC209719) using MegaTran 2.0 (Cat# [TT210002]).