

Product datasheet for RC201937

DCTN6 (NM_006571) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCTN6 (NM_006571) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCTN6
Synonyms:	p27; WS-3; WS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201937 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGAGAAGACTCAAAGAGTGTGAAGATTGCTCCTGGAGCAGTTGTATGTGTAGAAAGTGAATCA
 GAGGAGATGTAACATCGGACCTCGGACAGTGATCCACCCTAAAGCAAGAATTATTGCGGAAGCCGGGCC
 AATAGTGATTGGCGAAGGGAACCTAATAGAAGAACAGGCCCTTATCATAAATGCTTACCCAGATAATATC
 ACTCCTGACACTGAAGATCCAGAACCAAAACCTATGATCATTGGCACCAATAATGTGTTGAAGTTGGCT
 GTTATTCCCAAGCCATGAAGATGGGAGATAATAATGTCATTGAATCAAAAGCATATGTAGGCAGAAATGT
 AATATTGACAAGTGGCTGCATCATTGGGGCTTGTGCAACCTAAATACATTTGAAGTCATCCTGAGAAT
 ACGGTGATCTATGGTGCAGACTGCCTTCGTCGGGTGCAGACTGAGCGACCGCAGCCCAGACACTACAGC
 TGGATTCTTGATGAAAATCTTGCCAAATTACCACCACCTAAAGAAGACTATGAAAGGAAGCTCAACTCC
 AGTAAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC201937 protein sequence Red=Cloning site Green=Tags(s)
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MAEKTQKSVKIAPGAVVCVESEIRGDVTIGPRTVIHPKARIIEAGPIVIGEGNLIEEQALIINAYPDNI
 TPDTEDPEPKPMIIGTNNVFEVGCYSQAMKMGDNNVIESKAYVGRNVILTSGCIIGACCNLTFEVIPEN
 TVIYGADCLRRVQTERPQPQLQLDFLMKILPNYHHLKKTMKGSSTPVKN

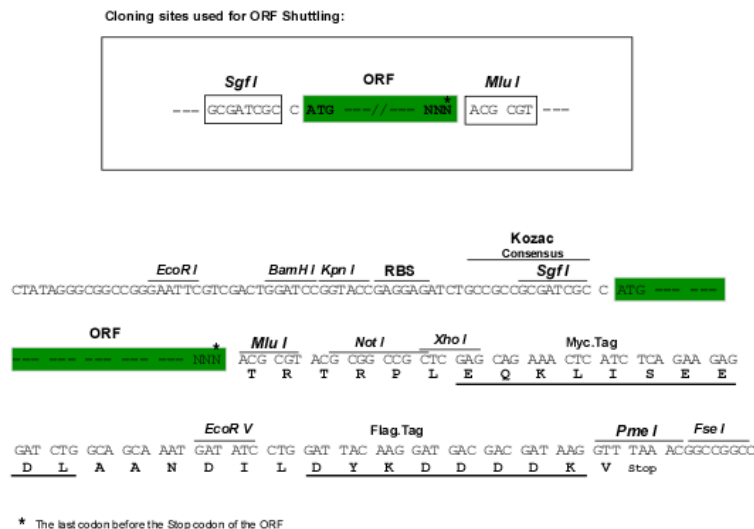
TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Chromatograms: https://cdn.origene.com/chromatograms/mk6025_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006571

ORF Size: 570 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.

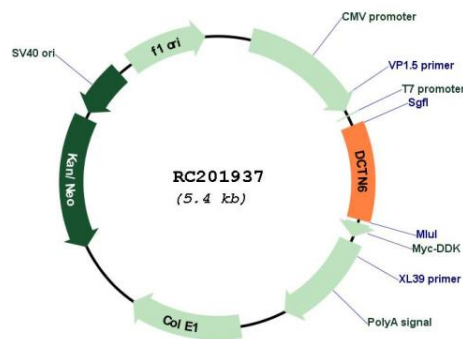
RefSeq: [NM_006571.4](#)

RefSeq Size: 1126 bp

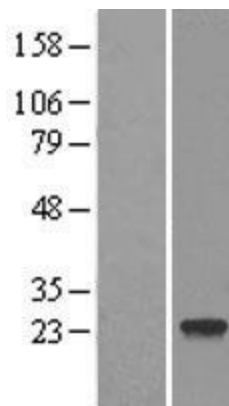
RefSeq ORF: 573 bp
 Locus ID: 10671
 UniProt ID: [O00399](#)
 Cytogenetics: 8p12
 Domains: hexapep
 MW: 20.7 kDa

Gene Summary: The protein encoded by this gene contains an RGD (Arg-Gly-Asp) motif in the N-terminal region, which confers adhesive properties to macromolecular proteins like fibronectin. It shares a high degree of sequence similarity with the mouse homolog, which has been suggested to play a role in mitochondrial biogenesis. The exact biological function of this gene is not known. [provided by RefSeq, Jul 2008]

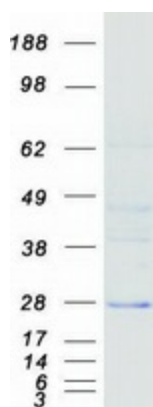
Product images:



Circular map for RC201937



Western blot validation of overexpression lysate (Cat# [LY401967]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201937 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DCTN6 protein (Cat# [TP301937]). The protein was produced from HEK293T cells transfected with DCTN6 cDNA clone (Cat# RC201937) using MegaTran 2.0 (Cat# [TT210002]).