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Product datasheet for RG201937

DCTN6 (NM_006571) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCTN6 (NM_006571) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCTN6
Synonyms:	p27; WS-3; WS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG201937 representing NM_006571
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGAAGACTCAAAAGAGTGTGAAGATTGCTCCTGGAGCAGTTGTATGTGTAGAAAGTGAAATCA
GAGGAGATGTAACTATCGGACCTCGGACAGTGATCCACCCTAAAGCAAGAATTATTGCGGAAGCCGGGCC
AATAGTGATTGGCGAAGGGAACCTAATAGAAGAACAGGCCCTTATCATAAATGCTTACCCAGATAATATC
ACTCCTGACACTGAAGATCCAGAACCAAAACCTATGATCATTGGCACCAATAATGTGTTTGAAGTTGGCT
GTTATTCCCAAGCCATGAAGATGGGAGATAATAATGTCATTGAATCAAAAGCATATGTAGGCAGAAATGT
AATATTGACAAGTGGCTGCATCATTGGGGCTTGTTGCAACCTAAATACATTTGAAGTCATCCCTGAGAAT
ACGGTGATCTATGGTGCAGACTGCCTTCGTCGGGTGCAGACTGAGCGACCGCAGCCCCAGACACTACAGC
TGGATTTCTTGATGAAAATCTTGCCAAATTACCACCACCTAAAGAAGACTATGAAAGGAAGCTCAACTCC
AGTAAAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG201937 representing NM_006571
Red=Cloning site Green=Tags(s)

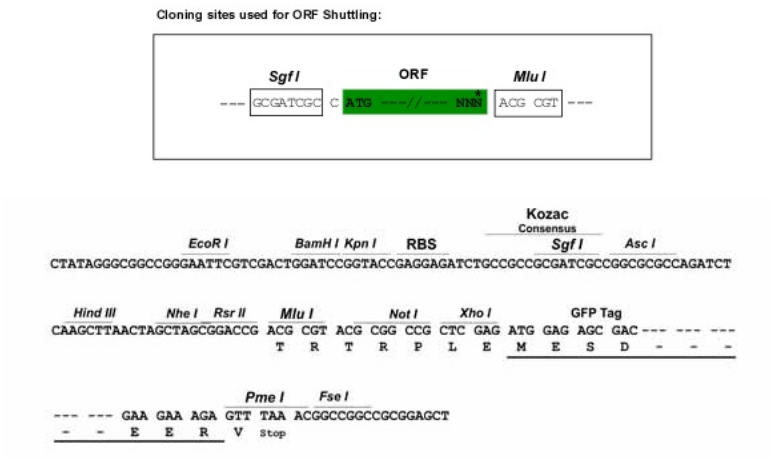
MAEKTQKSVKIAPGAVVCVESEIRGDVTIGPRTVIHPKARIIAEAGPIVIGEGNLIEEQALIINAYPDNI
TPDTEDPEPKPMIIGTNNVFEVGCYSQAMKMGDNNVIESKAYVGRNVILTSGCIIGACCNLNTFEVIPEN
TVIYGADCLRRVQTERPQPQTLQLDFLMKILPNYHHLKKTMKGSSTPVKN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

View online »

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:	1044 bp
RefSeq ORF:	573 bp
Locus ID:	10671

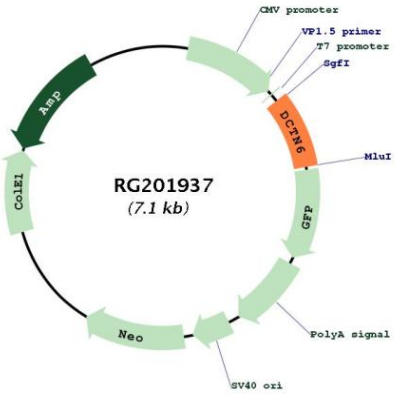
UniProt ID: O00399

Cytogenetics: 8p12

Domains: hexapep

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 RG201937