

Product datasheet for **RG231857**

DCTN5 (NM_001199743) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DCTN5 (NM_001199743) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DCTN5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231857 representing NM_001199743
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTTGGGCGAGCTGCTCTACAACAAGTCTGAGTACATCGAGACGGCATCTGGGAACAAAGTCAGTC
 GCCAGTCAGTGTGTGTGGAAGCCAGAACATCGTTCTCAATGGCAAGACCATTGTGATGAATGACTGTAT
 TATCCGAGGGGATCTGGCAAATGTAAGAGTTGGACGTCATTGTGTGTGAAAAGTCGTAGTGCATAAGG
 CCACCATTCAAGAAGTTCAGCAAAGGTGTTGCATTCTTTCCTTACATATTGGAGACCATGCTTTATTG
 AGGAAGATTGTGGTCAACGCAGCACAGATTGGTTCTATGTTTCATGTTGGGAAGAACTGTGATTGG
 GCGCCGATGTGTGTTGAAAGACTGCTGCAAAATCTTGACAACACAGTATTACCTCCAGAAACTGTGTT
 CCACCATTCACTGTCTTCTCAGGCTGCCAGCTCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231857 representing NM_001199743
 Red=Cloning site Green=Tags(s)

MELGELLYNKSEYIETASGNKVSQRQSVLCSQNIIVLNGKTIVMNDICIIRGDLANVRVGRHCVVKSRSVIR
 PPFKFKSKGVAFFPLHIGDHVFIIEEDCVNAAQIGSYVHVGNKNCVIGRRCVLKDCCKILDNTVLPPEVTV
 PPFTVFSGCPAP

TRTRPLE - GFP Tag - V

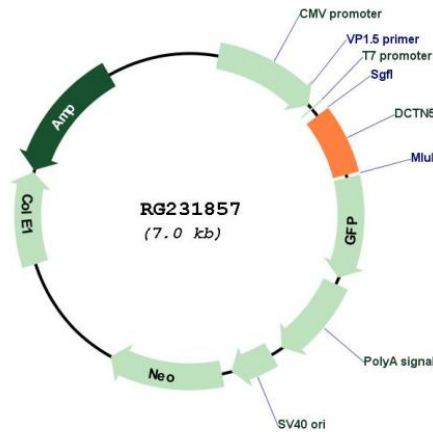
Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:

ACCN: NM_001199743

ORF Size: 456 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:	<ol style="list-style-type: none">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_001199743.2
RefSeq Size:	7359 bp
RefSeq ORF:	459 bp
Locus ID:	84516
UniProt ID:	Q9BTE1
Cytogenetics:	16p12.2
Gene Summary:	This gene encodes a subunit of dynactin, a component of the cytoplasmic dynein motor machinery involved in minus-end-directed transport. The encoded protein is a component of the pointed-end subcomplex and is thought to bind membranous cargo. A pseudogene of this gene is located on the long arm of chromosome 1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]