

Product datasheet for **RG201004**

DCTN5 (NM_032486) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DCTN5 (NM_032486) 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: >RG201004 representing NM_032486
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGAGTTGGGCGAGCTGCTCTACAACAAGTCTGAGTACATCGAGACGGCATCTGGGAACAAAGTCAGTC
GCCAGTCAGTGTGTGTGGAAGCCAGAACATCGTTCTCAATGGCAAGACCATTGTGATGAATGACTGTAT
TATCCGAGGGGATCTGGCAAATGTAAGAGTTGGACGTCATTGTGTGTGAAAAGTCGTAGTGCATAAGG
CCACCATTCAAGAAGTTCAGCAAAGGTGTTGCATTCTTTTCCTTACATATTGGAGACCATGTCTTTATTG
AGGAAGATTGTGTGGTCAACGCAGCACAGATTGGTTCTATGTTTCATGTTGGGAAGAACTGTGTATTGG
GCGCCGATGTGTGTTGAAAGACTGCTGCAAAATCTTGACAACACAGTATTACCTCCAGAACTGTGGTT
CCACCATTCACTGTCTTCTCAGGCTGCCAGGACTCTTCTCAGGGGAGCTCCCGAGTGCCTCAGGAGC
TGATGATTGACGTCACCAAGAGCTACTACCAGAAGTTTTTCCCCCTGACGCAAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201004 representing NM_032486
Red=Cloning site Green=Tags(s)

MELGELLYNKSEYIETASGNKVSRSVLCGSQNIIVLNGKTIVMNDCIIRGDLANVRVGRHCVVKSRSVIR
PPFKKFSKGVAFPLHIGDHVFIIEEDCVNAAQIGSYVHVGNKCVIGRRCVLKDCCKILDNTVLPPEVTV
PPFTVFSGCPGLFSGELPECTQELMIDVTKSYYQKFLPLTQV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_032486

ORF Size: 546 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_032486.4](#)

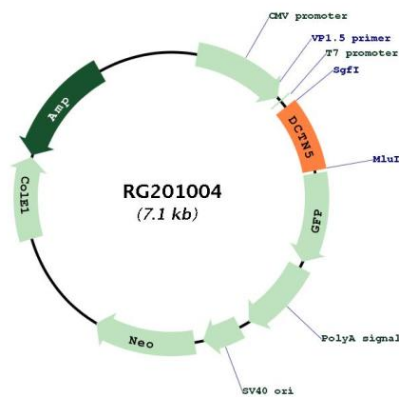
RefSeq Size: 3377 bp

RefSeq ORF: 549 bp

Locus ID: 84516

UniProt ID: [Q9BTE1](#)
Cytogenetics: 16p12.2
Domains: hexapep
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]

Product images:



Circular map for RG201004