

Product datasheet for **SC329554**

DCTN5 (NM_001199743) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DCTN5 (NM_001199743) Human Untagged Clone
Tag: Tag Free
Symbol: DCTN5
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329554 representing NM_001199743.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAGTTGGGCGAGCTGCTCTACAACAAGTCTGAGTACATCGAGACGGCATCTGGGAACAAAGTCAGT
 CGCCAGTCAGTGTTGTGTGGAAGCCAGAACATCGTTCTCAATGGCAAGACCATTGTGATGAATGACTGT
 ATTATCCGAGGGGATCTGGCAAATGTAAGAGTTGGACGTCATTGTGTTGTGAAAAGTCGTAGTGTCATA
 AGGCCACCATTCAGAAGTTCAGCAAAGGTGTGCAATTCCTTTACATATTGGAGACCATGTCTTT
 ATTGAGGAAGATTGTGTGGTCAACGCAGCACAGATTGGTTCCTATGTTTCATGTTGGGAAGAACTGTGTG
 ATTGGGCGCCGATGTGTGTTGAAAGACTGCTGCAAAATTCCTTGACAACACAGTATTACCTCCAGAACT
 GTGGTTCCACCATTCAGTGTCTCTCAGGCTGCCAGCTCCTAG

Restriction Sites: SgfI-MluI

ACCN: NM_001199743

Insert Size: 459 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.



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RefSeq: NM_001199743.1

RefSeq Size: 7359 bp

RefSeq ORF: 459 bp

Locus ID: 84516

UniProt ID: Q9BTE1

Cytogenetics: 16p12.2

MW: 16.6 kDa

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]

Transcript Variant: This variant (4) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 3, which has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.