

Product datasheet for **SC325054**

DCTN4 (NM_001135644) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DCTN4 (NM_001135644) Human Untagged Clone
Tag: Tag Free
Symbol: DCTN4
Synonyms: DYN4; P62
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001135644, the custom clone sequence may differ by one or more nucleotides

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ATGCCATCGGCTGAAGCCAACTAAAAAGAATAGATGTGCCAATTGTTTTGACTGTCCT
GGCTGCATGCACACCCTCTACTCGGGCCACGAGCATCTCCACACAGCTTCCAGATGAC
CCAGCCAAGACCACCATGAAGAAAGCCTATTACCTGGCATGTGGATTTTGTGCTGGACG
TCTAGAGATGTGGGCATGGCAGACAAATCTGTAGCTAGTGGCGTTGGCAGGAACCTGAA
AATCCTCACACACAACGGATGAACAAATTGATTGAATATTACCAGCAGCTTGCTCAGAAA
GAGAAGGTTGAGCGAGATCGCAAGAACTGGCAGCAGCTAGAAACTATATGCCTCTGGCT
TTTTCGGACAAAATATGGTCTTGAACCAGGCTTCAGCGACCACGAGCTGGTGCATCCATC
AGTACCCTTGCCGACTTTCCCTTAAAGAAGGAGAGGATCAGAAAGAGATAAAGATTGAG
CCAGCTCAGGCTGTGGATGAAGTGAACCTCTACTGAAGACTATTATACAAGACCAGTA
AATTTAACAGAGGTAACAACCTTCAGCAGCGTCTGTTACAGCCTGACTCCAGCCAGTC
TGTGCTTACAGCTCTATCCTCGCCACAAAACATCTTCTGATCAAACGGTCCCTGCGCTGC
CGTAAATGTGAACATAATTTGAGCAAGCCAGAATTTAACCCAACGTCAATCAAATTCAAA
ATCCAGCTGGTGCCTGTCAATTAATCCAGAAGTGAGAATCATGTCAATCCCAACCTT
CGCTACATGAAGGAGAGCCAGGTCCTCCTGACTTTACAAATCCAGTTGAGAACCTCACC
CATGTGACTCTTTCGAGTGTGAGGAGGGGGACCCTGATGATATCAACAGCACTGCTAAG
GTGGTGGTGCCTCCCAAAGAGCTCGTTTTAGCTGGCAAGGATGCAGCAGCAGAGTACGAT
GAGTTGGCAGAACCTCAAGACTTTCAGGACGATCCTGACATTATAGCCTTCAGAAAGGCC
AACAAAGTGGGTATTTTCATCAAAGTTACACCACAGCGTGAGGAGGGTGAAGTGACCGTG
TGCTTCAAGATGAAGCATGATTTTAAAAACCTGGCAGCCCCCATTGCCCCATTGAAGAA
AGTGACCAGGGAACAGAAGTCATCTGGCTACCCAGCATGTGGAACCTAGCTTGGGCCCA
CTTCTTCT
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Restriction Sites: Please inquire
ACCN: NM_001135644
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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001135644.1</u> , <u>NP_001129116.1</u>
RefSeq Size:	4105 bp
RefSeq ORF:	1212 bp
Locus ID:	51164
UniProt ID:	<u>Q9UJW0</u>
Cytogenetics:	5q33.1
Protein Pathways:	Huntington's disease
Gene Summary:	Could have a dual role in dynein targeting and in ACTR1A/Arp1 subunit of dynactin pointed-end capping. Could be involved in ACTR1A pointed-end binding and in additional roles in linking dynein and dynactin to the cortical cytoskeleton.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (c) is shorter at the N-terminus and lacks a 7 aa internal segment compared to isoform a.