

Product datasheet for **SC319901**

DYNC2I2 (NM_052844) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DYNC2I2 (NM_052844) Human Untagged Clone
Tag:	Tag Free
Symbol:	DYNC2I2
Synonyms:	bA216B9.3; CFAP133; DIC5; FAP133; SRTD11; WDR34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_052844.3
 GGCGGCGTAGGGGCGGAGGTCGCGCCTGAGTGCCTCCGCACGAGAGGGCGGAACCGTCTC
 CATGGCAACCCGCGCGCAGCCGGGGCCACTCAGCCAGGCGGGAAGCGCTGGTGTTCGGC
 GCTGGCGACAGTCGGGGTTGCGAGCGGCCCGGGGCGGGGCGCCAGGGCCGCTGCAGGA
 CGAGACCTGGGTGTGGCGTCCGTGCCCTCGCAGTGGAGGGCCGTCAGGGCATCCGCGG
 GGAGACGAAAAGTTGCCAGACGCCAGCATTGCCACTGCCAGTGCATCCGCCAGGCCAG
 GAATCATGTGGAGCCCGAGGTGCAGACGGAGGCCCGCGTGCCTGTGAGCGTGCAGCCCC
 GTCCCAGTACGACATACCCAGGCTTGCAGCCTTTCTTCGGAGAGTGGAGGCCATGGTCAT
 CCGAGAGCTGAACAAGAATTGGCAGAGCCACGCGTTTGTATGGCTTCGAGGTGAACTGGAC
 CGAGCAGCAGCAGATGGTGTCTTGTCTGTATACCCTGGGCTACCCGCCAGCCCAAGCGCA
 GGGTCTGCATGTGACCAGCATCTCCTGAACTCCACTGGCTCTGTGGTGGCCTGTGCCTA
 CGGCCGGCTGGACCATGGGGACTGGAGCAGCTTAAGTCTTCGTGTGCCTGGAACCT
 GGACCGGCGAGACCTGCGTCCCCAGCAACCGTCGGCCGTGGTGGAGGTCCCAGCGCTGT
 CCTGTGTCTGGCCTTCCACCCACGCAGCCCTCCACGTCGCAGGAGGGTGTACAGTGG
 TGAGGTGTTGGTGTGGGACCTGAGCCGTCTTGGAGACCCGCTGCTGTGGCGCACAGGCC
 GACGGATGACACCCACACAGACCCTGTGTCCCAGGTGGTGTGGCTGCCGAGCCTGGGCA
 CAGCCACCGCTTCCAGGTGCTGAGTGTGGCCACTGACGGGAAGGTGCTACTCTGGCAGGG
 CATCGGGTAGGCCAGCTGCAGCTCACAGAGGGCTTCGCCTGGTGCATGCAGCAGCTGCC
 ACGGAGACCAAGCTCAAGAAGCATCCCCGCGGGGAGACCAGGTGGGCGCCACGGCAGT
 GGCCTTCTCCAGCTTTGACCCTAGGCTGTTTCACTTGGGCACGGAAGGCGGCTTCCCCT
 CAAGTGTTCCTGGCAGCTGGAGAGGCAGCCCTCACGCGGATGCCAGCTCCGTGCCCT
 GCGGGCCCCAGCACAGTTTACCTTCTCCCCACGGCGGTCCCATCTACTCTGTGAGCTG
 TCCCCCTTCCACAGGAATCTCTTCTGAGCGCTGGGACTGACGGGCATGTCCACCTGTA
 CTCCATGCTGCAGGCCCTCCCTTACTTTCGCTGCAGCTCTCCCTCAAGTATCTGTTTGC
 TGTGCGCTGGTCCCCAGTGCAGCCCTTGGTTTTTGCAGCTGCCTCTGGAAAGGTGACGT
 GCAGCTGTTTGTCTCCAGAAAAGCTCCCAGAAAACCCACAGTTTTGATCAAGCAAACCA
 GGATGAAAGCCCTGTCTACTGTCTGGAGTTCAACAGCCAGCAGACTCAGCTCTTGGCTGC
 GGGCGATGCCAGGGCACAGTGAAGGTGTGGCAGCTGAGCACAGAGTTCACGGAACAAGG
 GCCCGGGAAGCTGAGGACCTGGACTGCCTGGCAGCAGAGGTGGCGCCCTGAGGGTCCC
 GGGAGGCGGGTGAAGCCTTCGCTGTGCCGAGCCTTGTGTTTCTGACGCAAGCCAATGA
 AGAAAAGCAAAGCTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_052844

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).

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:

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_052844.3](#), [NP_443076.2](#)

RefSeq Size: 1818 bp

RefSeq ORF: 1611 bp

Locus ID: 89891

UniProt ID: [Q96EX3](#)

Cytogenetics: 9q34.11

Domains: WD40

Gene Summary: This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. Defects in this gene are a cause of short-rib thoracic dysplasia 11 with or without polydactyly. [provided by RefSeq, Mar 2014]