

Product datasheet for SC111316

DYNC2I1 (NM_018051) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DYNC2I1 (NM_018051) Human Untagged Clone
Tag:	Tag Free
Symbol:	DYNC2I1
Synonyms:	CFAP163; DIC6; FAP163; SRPS6; SRTD8; WDR60
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC111316 representing NM_018051. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGAGCCCGGAAGAGAAGAACCAAGATGATACCTGGAAGCAGATGACCTCAGAAAACATCTCTGG
 GCCATACAGTCAGGTGGTTCCAAGGAAGAAAGAACACAGAGAGAAGAAGCTGCGTAAGGAGTCTGAG
 ATGGACCTTCCTGAACATAAGGAGCCGAGGTGCAGGGATCCCGACCAGGATGCCAGGAGCAGAGACAGG
 GTGGCCGAAGTCCACACCGCTAAGGAGAGTCCTCGTGGGAGAGGGACAGAGACAGACAGAGGGAGAGG
 AGAAGAGACGCAAAAGACCGGGAGAAAAGAAAGCTGAAGGAGAAACATCGAGAGGCAGAAAAGTCTCAC
 AGCAGAGGAAAGGACAGGAAAAAGAAAAAGACAGAAGGGCCCGAAGGAAGAGCTCCGGCAGACCGTG
 GCCCACCACAACCTGCTGGGCCAGGAGACACGCGACCGGCAGCTCCTGGAGCGGGCGGAGAGGAAAGGC
 CGCTCAGTAAGTAAAGTAAAGTGAAGAGAAAGATGAAGACTCTGAAAGAGGAGATGAAGATAGAGAA
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 AGCAGCACAAAGGAAAAAAGAGAGAAATATTCCAAGAGAAAAAGTAATTCATTCTCTGACAAAGGGGAA
 GAAAGACATAAAGAAAAGCGACACAAAGAAGTTTTATTTTGATGATGAGAGGCACCAAGCAACGTG
 GATAGAAAAGAGAAATCGGCAAAAGATGAGCCCAGGAAAAAGGGAATCCCAGAATGGTGAACACAGAAAT
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 AGGCCGGGAGGCGAGGAAACCGTGGAAATTGAAAAGGAAGAACTGATTTAGAAAATGCTAGAGCTGAT
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 GCCTCTGTTTGTGAATTTTGTGGATTTGCCTCAGCTTCACACCGTCAAAAGAGTCGGACTCAGGCC
 CTTAAGCAAAAGATGCGAAGTACAAAAGTCTTCGGCTCATTGACTTAGATTTTTCTTTACTTTCTCT


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CTCTTGATCTACCACAGTAAATGAATATGACATGTATATCAGAACTTTGGGAAAAAATACCAAG
 CAGGCATATGTTCAAGTAAACGAAGATAATGTTGAAAGAGACATTCAAACGGAGGAAATAGAGACCAGG
 GAAGTGTGGACCCAGCACCCGGGAGAAAGTACTGTTGTATCTGGAGGCAGTGAACAAAGAGATACCTCT
 GATGCTGTAGTTATGCCAAAGATTGATACTCCAAGGTTATGTAGCTTTCTGCGGGCTGCTGTGAGGTG
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 TCCTCCTTGACACCTCCCGAGTTCAGAGGCAGATGGTGGTCTCCGTTACGACTTACCCGAGAAGAGC
 TTTGTGCCCTGCTGGACAGCAAATACGTCTCTGTGTGGGATATTTGGCAGCCTTCAGGGCCACAG
 AAAGTTCTGATATGTGAGTCCCAGGTCACGTGTTGCTGCTTGAAGCCTTTGAAAGCATTTTTACTGTTT
 GCCGGAACAGCGCACGGCTCAGTTGTCGTCTGGGATTTGAGAGAAGACTCAAGGCTGCATTACTCTGTG
 ACGCTGAGCGATGGCTTCTGGACGTTCCGGACGCCACGTTTTCCACCGATGGAATCCTTACCTCAGTA
 AACCACCGAAGCCCTCTCAAGCAGTAGAACCTATCTCAACGTCCGTCCACAAAAGCAGAGCTTTGTG
 CTTTACCCTTTCTACTCAAGAAGAAATGTCAGGTTTGTCTTCCACATCGCTTCTTGGATGAGAGT
 GGGGTTCTCAATGTATGGGTGGTTGTTGAATTACCAAAGGCAGACATCGCAGGTTCAATAAGTGATTTA
 GGTCTGATGCCTGGAGGGAGGGTCAAGCTGGTACATAGTCTCTGATCCAGTTGGGTGACAGTCTTCC
 CATAAAGTAATGAATTTTGGGGCACTACACAACTGAATGTTAAATTTCTGCCTTCAGATCCTAAT
 CACTTTATTATTGGCACAGACATGGGTCTCATAAGCCATGGCACAAGACAAGATTGAGAGTGGCTCCC
 AAATAATTCAAACCTCAGCAACATGGTATAAGACCAGTGAAGTTAATGTCATTGATTTTTACCATTT
 GGAGAACCAATATTTTTGGCCGGCTGTTCCGACGGAAGCATCAGGCTGCACCAGCTGAGCTCCGCGTTT
 CCGCTCCTGCAGTGGGACAGCAGCACGGACAGCCATGCGGTACCCGGCTGCAGTGGTCCCAACAGG
 CCTGCCGTGTTCTGGTGCAGGACGACATCCAACATCTACATCTGGGACCTCCTCCAGAGCGATCTG
 GGTCTGTGCGCAACAGCAGGTCTCCCCAACAGGCTGGTGGCCATGGTGGGTGGGTGAGCCTGAG
 AAGGCTGGTGGCAGCTTCTGGCCCTGGTGTGGCCAGGCGTCTGGCTCCATCGACATCCAGCACCTG
 AAGAGGCGGTGGCGGCCCGGAGGTGGACGAGTGCAACAGGCTGCGTCTGCTTTTGCAGGAAGCCCTG
 TGGCCAGAGGAAAAGTGCACAAGTAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Chromatograms: https://cdn.origene.com/chromatograms/mk8079_h02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_018051

Insert Size: 3201 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.

RefSeq: [NM_018051.2](#)

RefSeq Size: 3789 bp

RefSeq ORF: 3201 bp

Locus ID: 55112

UniProt ID: [Q8WVS4](#)

Cytogenetics: 7q36.3

Domains: WD40

MW: 122.6 kDa

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-aspartate (GH-WD) and may facilitate the 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. The encoded protein contains four WD repeats and may play a role in the formation of cilia. Mutations in this gene have been associated with short-rib polydactyly and Jeune syndromes. [provided by RefSeq, Mar 2014]

Transcript Variant: This variant (1) encodes the longest isoform (a).