

Product datasheet for **SC318024**

ODAD3 (NM_145045) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ODAD3
Synonyms:	CCDC151; CILD30; ODA10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>SC318024 representing NM_145045.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACATCTCTCTGTGACGGCGGCTCCGCCAACGCCCTGCCTCCTCAGGACCAGGCTTCGACGCC
TCTTCCAGGGTCAAGGGCAGGAGGCTTCGGGCAAACCCAGCCACCTCCGAGGCAAGGGCACAGCCAG
GCGTGGACCCAGGCCGTTCCAAAGGGAGGATCCTTCCACAGAGGTGCAGGGAAGCCCTCTGTGCACTCT
CAGGTGGCTGAGTTACATAAAAGATACAACCTGTTAGAGGGTGACCGGAAGGCTTTTTTTGAGAGCTCT
CAGTGAACATCAAGAAGAACCAGGAGACCATCAGTCAGCTCCGCAAGGAGACTAAGGCACTGGAACCTA
AAGCTGCTGGACCTGCTCAAGGGAGATGAGAAAGTGGTCCAGGCAGTGATTGCGAATGGAAGTGGGAG
AAGCCATACCTGAAGAACAGGACAGGACAGGCCCTGGAGCACCTAGACCACCGGCTGAGGGAGAAGGTG
AAGCAGCAGAACGCCCTGCGGCACCAAGGTGGTGTGCGGCAGAGGCGGCTGGAGGAGCTCCAGCTGCAG
CACAGCTGCGCTTCTGGAGATGGCGAGGCGCAAAACAGACACAGGAGGTGGCAAGACCATGCGG
AACCTGGAGAACCCTGGAGAAGGCCAGATGAAGGCGCAGGAGGCCGAGCACATTACCAGCGTGTAC
CTGCAGCTCAAGGCCTATCTAATGGACGAGAGCCTCAACTTGGAGAACCAGGCTGGACTCCATGGAGGCT
GAGGTGGTGAGGACCAACATGAGCTGGAGGCACTGCACGTGGTGAACCAAGAGGCCCTCAATGCCCGG
GACATTGCCAAGAACCAGCTGCAGTACCTAGAGGAGACCTTGGTTCGAGAGCGCAAGAAGCGGGAACGC
TACATAAGTGAGTGCAAGAAGCGCGCCGAGGAGAAGAACTGGAGAACGAGCGCATGGAGCGCAAGACC
CACCGGAGCACCTGCTGCTACAGTCCGACGACACCATCCAGGACAGCCTGCATGCCAAGGAGGAGGAG
CTGCGGCAGCGCTGGAGCATGTACCAGATGGAGGTGATCTTTGGCAAGGTCAAGGACGCCACTGGCACT
GACGAGACGCACTCGTTGGTGGCGGCTTCTGGCCAGGGCGACACCTTCGCGCAGTTGGAGACGCTC
AAGAGCGAGAACGAGCAGACGTTGGTGGGCTGAAGCAGGAGAAGCAACAACCTGCAGCGGAGCTGGAA
GACCTCAAGTACTCGGGGAGGCCACGCTGGTGAAGCAGCAGAACTGCAAGCCGAGGCGCAGGAGCGT
CTCAAGAAGGAGGAGCGCGGCACGCCGAGGCCAAGGACCAGCTGGAGCGCGCTTGGCGGCGATGCAA
GTGGCCAAGGACAGCCTGGAGCACCTGGCCAGCAAGCTGATCCACATCACTGTGGAGGACGGCCGCTTC
GCGGAAAAGGAGCTGGATCCCCAGGCAGATAACTATGTGCCAAACCTGCTGGGCCTCGTGGAGGAAAAG
CTGCTGAAACTGCAGGCGCAGCTCCAGGGCCACGACGTGCAGGAGATGCTGTGCCACATCGCTAACCGC
GAGTTCCTCGCCAGCTTAGAGGGAAGGCTGCCGAATACAACACCCGCATCGCCCTGCCCTTGGCACT
TCCAAGGACAAGTTTTTGGACGAAGAGAGTGAGGAGGAGGACAACGAGGTAGTGACCCGCGCATCACTC
AAGATCCGTTCCAGAAATTAATCGAAAGTCACAAGAAGCACCGTCGCTCTCGGAGGTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_145045

Insert Size:

1788 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).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_145045.4</u>
RefSeq Size:	2176 bp
RefSeq ORF:	1788 bp
Locus ID:	115948
UniProt ID:	<u>A5D8V7</u>
Cytogenetics:	19p13.2
MW:	69.1 kDa
Gene Summary:	This gene encodes a protein containing coiled-coil domains. The encoded protein functions in outer dynein arm assembly and is required for motile cilia function. Mutations in this gene result in primary ciliary dyskinesia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014] Transcript Variant: This variant (1) encodes the longest isoform (1).