

Product datasheet for **SC322025**

ODAD4 (NM_031421) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ODAD4 (NM_031421) Human Untagged Clone
Tag:	Tag Free
Symbol:	ODAD4
Synonyms:	TTC25
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 SC322025
 TAGAGGTTCTCCAGCTTTTCTTTGATTGTCTCTGCTTTAGCGTCTCTAAATCCGGTCACC
 ATGTCCGACCCCGAAGGCGAGACCTTGCAGACACCTTTCCCTCTTATATGGCCGAAGGC
 GAGCGGCTCTACCTGTGCGGGGAATTTCTAAAGCCGCGCAGAGCTTCAGCAACGCTCTT
 TACCTTCAGGATGGAGACAAGAAGTGCCTGGTTGCTCGCTCAAAGTGCTTCTGAAGATG
 GGAGACTTGGAGAGATCCCTGAAGGATGCTGAGGCTTCGCTCCAGAGTGACCCAGCTTTT
 TGTAAGGGGATTTGCAAAAGGCTGAGACACTGTACACCATGGGAGACTTTGAGTTTGCC
 TTGGTATTCTATCATCGAGGCTACAAGCTGAGGCCTGATCGGGAATTCAGAGTTGGCATT
 CAGAAAGCCAGGAAGCCATCAACAACCTCAGTGGGAAGTCCTTCTCCATTAAGCTGGAG
 AACAAAGGGGACCTCTCCTTCTTAAGCAAGCAGGCTGAGAATATAAAAGCCAGCAGAAG
 CCTCAGCCATGAAACACCTCTTACACCCACCAAGGGAGAGCCCAAGTGGAAAGGCTCG
 CTAAGAGTGAGAAGACTGTCCGCCAGCTTCTGGGGGAGCTCTACGTGGACAAAGAGTAT
 TTGGAGAAGCTCCTATTGGATGAAGACCTGATCAAAGGCACCATGAAGGGTGGCCTGACT
 GTGGAGGACCTCATCATGACGGGCATCAACTACCTGGATACTCACAGCAACTTCTGGAGG
 CAGCAGAAGCCGATCTACGCCAGGGAGCGGGACCAGGAGCTGATGCAAGAGAAATGGCTG
 CGGGACCACAAACGCCGTCCTCACAGACAGCCATTACATCCTCAAGAGCTGGAGGAC
 ATTGATATGTTGCTCACAAAGTGGCAGTGTGAAGGGAGTCTTCCAGAAAGCTGAGAAAGT
 CTGAAGAAGTACTGGAATGGAACAAGGAAGAGGTACCCAACAAGGATGAACTGGTTGGA
 AACTTGTATAGCTGCATAGGGAATGCCAGATTGAGCTGGGGCAGATGGAGGCAGCCCTG
 CAGAGCCACAGAAAGGACCTGGAGATCGCCAAGGAATATGACCTTCTGATGCAAAATCG
 AGAGCCCTTGACAACATTGGCAGAGTTTTGCCAGAGTTGGGAAATTCAGCAAGCCATT
 GACACGTGGGAAGAAAAGATCCCTCTGGCAAAAACACCCTGGAGAAGACCTGGCTGTTT
 CACGAGATCGGCCGCTGCTACTTGGAGCTGGACCAGGCTGGCAGGCCCAGAATATGGC
 GAGAAGTCCCAGCAGTGTGCCGAGGAGGAAGGGACATTGAGTGGCAACTGAATGCCAGT
 GTTCTGGTGGCCAGGCACAAGTGAAGCTGAGAGACTTCGAGTCAGCCGTAACAATTTT
 GAGAAGGCCCTGGAGAGAGCAAAGCTTGTGCATAACAACGAGGCGCAGCAGGCCATCATC
 AGTGCCTTGGACGATGCCAACAAGGTATCATCAGAGAACTGAGGAAAACCAACTACGTG
 GAGAATCTCAAAGAAAAAGCGAGGGAGAAGCTTCACTGTATGAAGATAGAATAATAACA
 AGAGAGAAGGACATGAGGAGAGTGAAGATGAGCCGAGAAGGTGGTGAAGCAGTGGGAC
 CATAGTGAGGATGAGAAAGAGACAGATGAGGACGATGAGGCTTTTGGGGAAGCTCTGCAG
 AGCCAGCAAGCGAAAGCAGAGTGTGGAAGCAGGAAAAGCCAGAAGCGATTTGGGAGCA
 GTTGCCAAAGGGCCTGTACAGGAGAATTAGGCACAAGATCAGGAGAAAACAGGCAGGAAGCTA
 CTAGAAGCTGGCAGAAGAGAGTCAAGAGAAATTTATAGGAGGCCTTCGGGAGAATTAGAG
 CAAAGACTCTCAGGAGAATTCAGCAGACAGGAACCAGAAGAACTAAAGAACTTTTCAGAA
 GTGGGCAGAAGAGAGCCAGAAGAACTGGGAAAAACACAATTTGGAGAAAATAGGAGAAAACG
 AAAAAAACAGGAAATGAGATGGAAAAGGAATATGAATGAAGCCATCGGTAGAGATGAGG
 ATCAGGAAGCTGGTGTTCAGAGGGATCATGGGATTTTATTAAGTGGATTTTCAAGCGAT
 TTGTCTGTTATAGGAAAAATGAGGGTTTTACTTCTGCTGCTTTCCATCACTATTTTGCCA
 TTAATAGGTGTCTTTCACTCTTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_031421

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:	<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:	NM_031421.1 , NP_113609.1
RefSeq Size:	2277 bp
RefSeq ORF:	2019 bp
Locus ID:	83538
UniProt ID:	Q96NG3
Cytogenetics:	17q21.2
Domains:	TPR
Gene Summary:	<p>This gene encodes a tetratricopeptide repeat domain-containing protein that localizes to ciliary axonemes and plays a role in the docking of the outer dynein arm to cilia. Mutations in this gene cause severely reduced ciliary motility and the disorder CILD35 (ciliary dyskinesia, primary, 35). Primary ciliary dyskinesia is often associated with recurrent respiratory infections, immotile spermatozoa, and situs inversus; an inversion in left-right body symmetry. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Apr 2017]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer 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.</p>