

Product datasheet for **SC320816**

DNAL1 (NM_031427) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAL1 (NM_031427) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAL1
Synonyms:	C14orf168; CILD16; LC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_031427.1</p> <pre>GGGCCCTAGCAACCAGACAGTACAGTACAGTACCAACCGCCGGAATGGCGAAAGCAACAACAA TCAAAGAAGCCTTAGCGAGATGGGAAGAGAAAAGTGGCCAGAGGCCATCTGAAGCCTAAG AGATAAACTTTATGCCAGATTCCCCCTATAGAGAAGATGGATGCATCCTTGCCATGC TTGCTAATTGCGAGAAGCTTTCCTGTCTACAACTGCATTGAAAAAATTGCCAACCTGA ATGGCTTAAAAAAGTGGAGATATTATCTTTAGGAAGAAACAACATAAAGAACTTAAATG GACTGGAGGCAGTAGGGGACACATTAGAAGAACTGTGGATCTCCTACAATTTTATTGAGA AGTTGAAAGGGATCCACATAATGAAGAAATTGAAGATTCTCTACATGTCTAATAACCTGG TAAAAGACTGGGCTGAGTTTGTGAAGCTGGCAGAACTGCCATGCCTCGAAGACCTGGTGT TTGTAGGCAATCCCTTGAAGAGAAACATTCTGCTGAGAATAACTGGATTGAAGAAGCAA CCAAGAGAGTGCCCAAACTGAAAAAGCTGGATGGTACTCCAGTAATTAAGGGGATGAGG AAGAAGACAATAATGCCACGCTTCCACTGTGTGTTAACTTATTTAAATGTCATAAGAA CAATAGATAAAATTTATATAATTGTCTATTTTAAAGATTCTGTATGGGACAAAAGTTTCT TAAGATAAAACAGATCACTCATTCTCATCTTTTTTTTTCTTTAACTTATTCAGTGTTTC TCCCCAAAAGTGGTAATGCCAACCTTATATATCGTATTCTCTTTTTAGAAACCACAAAT TTTCGATTTTGTCTTCAGTCTCAGTTACGTAAGTGTAGCCCCATCTACTAAAACAAAA CCTTTGTAGACCAGTCATTTTAAATAACAAGGAACAAATGTTTTTTTTCAGTTTGTTCAT TTTTTTTTAGGTTAGACATTTTAAAGATGTACATTTGAAAATTCAGAACATTTTCTCTG AAGGTCTGTCTGTACAATTCAGAAGCACATGCCTTTAGCTCAGAAGGCAGCATGGTGA TGGGAAGAGTTCTCTTAGAAAATACAGCAGGTCCGGAACCAAGACTCCAAGTCCATTG GAAAAGATATGGTGAAAAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_031427



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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_031427.1 , NP_113615.1
RefSeq Size:	1191 bp
RefSeq ORF:	456 bp
Locus ID:	83544
UniProt ID:	Q4LDG9
Cytogenetics:	14q24.3
Domains:	LRR, LRR_SD22
Protein Pathways:	Huntington's disease
Gene Summary:	<p>This gene encodes an axonemal dynein light chain which functions as a component of the outer dynein arms complex. This complex acts as the molecular motor that provides the force to move cilia in an ATP-dependent manner. The encoded protein is expressed in tissues with motile cilia or flagella and may be involved in the movement of sperm flagella. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (1) 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>