

Product datasheet for **SC337574**

DNAI3 (NM_001288563) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAI3 (NM_001288563) Human Untagged Clone
Tag:	Tag Free
Symbol:	DNAI3
Synonyms:	DIC3; NYD-SP29; WDR63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001288563, the custom clone sequence may differ by one or more nucleotides

```

ATGGCTCCAAAACAAAAGAAAAAGACATCACGTGGCAAAAAAGACTAAAACAGTATTAGCTGCTAGTG
AAGACATGGAACAGTAAATATGGAGAGCATGGGTCATCCAGAAATTTATCCTTTAGTATTAACCACCAA
GACCCAAGAAATATTTAACTGCCGAATAGATGAAGATGTCACAGATGAACAACCTTATAAGCTTATCAAT
AAAGAAGACATTTTGGAGACCTGCGCAACAGAGCTGCAGTATCTGATTTCCACCCAGTCAAAAAATTG
TCCAGGAATATCCTGGAAATGAGCTTCTGCTTGTTATGACAAAGACTTCAAATATGGACTTAACCTTTTA
TCTTATTGCAACTGAAGAGGGCAAAGAAAATATTTAAATCCCCCAGAAGTACCAGAAGAACAAGAAGAA
TATAAAGAACATATTCTGAAGATGTGTATTTTATAAACACCTGTCTCTAAACCATGGGTTTCTTTGG
GCAGTGAAAAAGAAATGAGGAAGAATCAGTTACGGAATCTACAAAGCAGATTACATATATGATTCTCG
AAAACGAAGTGAATTTGGTGCACCAATTAAGTTCAGTGACCAGAATGCTTCCAGTGTAAGAGATGCCTAT
ATTGAATGTACAGCCTACCCAGATAAAAAATTTACCTTAAACAACCTGAAAAAGATGTTGGCATGCAAG
TAATCCCCCAATAAAGGACATAAGCACTCAGACAAAATGTGTTGAAATAGCCCTGCAGCAAAATGAAAT
CATGAACACATTTATTGATGACTGGAAATACCTCGCAGAAGAAGAAGGCACCTTTGGGGACAAGACCGAT
ACCCACCTGAAAGAGTACCAGTCTTTACCGACCTTCATAGCCCAACGGAGAAAAATGATTACCTGTGTCT
CATGGCATCCAATATCTATGGGCTAATAGCTGTGTGCGTAGCCGTGCGACTTTCTTTTGAAGACAGAGT
TCACCTTTCTGGTAAATATTGCTGCAGCCATCACTGATCTTTTCTGGAGCTTCTCTGATCCTATACAT
CCTCAGTTAATGCTGGAGAGCCAGATGACATCTTCTGCTTCAAGTTCTGTCCGAGTGATCCTAATATCA
TTGCTGGAGGCTGTATCAATGGGCAGATTGTCTATGTTGGGATATCACCGCAGATGCAGATCGCATAGAAAA
CATTAAGGCAGGTGGTAGTAGAAGTAAAAGAGCCACACTGAAGCCTATGTTTCTCCTTGAACCGGAGAGT
AATAAAGAAGCAATGTATATCAGACACTGTGCAGTCTCTTCAATAGAAAATGGACATAAGAAAGTAATTA
CAGATATACACTGGTTGTCTGACACATTTGAGATTAACAGAATGGGCTCCGTCTTTGAGAAATCGAAGTGG
AATATGCTGTCAACTTGTACATGTTTCAAGAGATTGCACAATATGTTTTTGGGATATTAGACCACAGAAA
CCTTTAACCCCCAACACAGAGAAAAAGAAGGAGGAAAGTATTGAAATTCCTTTTGTGTACCATCTA
CTTTTTTGCATCTGGATCTCTCCTGGAAACCTCTCACTAAGGTAAGGCTGTCCAAGGGTGAACAAGTTT
AGACCACTGTCCAACCAAGATAAGCCTGAATGAAGACCATCTTCTTTGCAAAACACAAGACAAAATGTTA
GCACAGAGCAAAACAGAGAAGGCAGAGAAGAAATGAACCCGTATCATAATCTGGAAAGTGGGATGGCCAATC
TTCTCAAGCCAATAGATGACTTCTGCACAAAGTTCTTTGTGGGAACAGAGGAAGGCGAAGTGATATACAC
AGATTGAAAAATGAAAAAGACCCTGAACTGGCCGACTTATGTCAAAGAAGCCAGTGAGCCACCACACC
ATTCACGACGGAAGTGTCCACACTATTCAGAGATCACCTTTCTACAACGACATTATTCTACGGTTGGAG
GTTGGAACGTGGCCATATGGAAGAAGGTGTTATGACTGGACCGTCTCTTCAGTCATGCTGTGCACCAAA
AAGGTACACCTCAGGCCACTGGTCCCTGACTCGGCCCGGAGTTTTCTACATCGGCCGAGAAGATGGATAC
ATTGATATCTGGGACCTTCTGGAGAAAACCCATGAACCAAGCCAGTCTCAAAACATTTGCATAACTATGA
TCACCTACATCAAACCTGGATCTTTTCTTCTAAACAGCAATTTATAGCCACAGCTGATTATTATGGAAC
ACTGCATATATTAGAAATTCCTTGGACATTAAGTCGCCCTTCCACCAATGAGATGGCAAGTGTCAACCAC
TATTTTGAAAGAGAAGTCAAGCATCTGGAATACGTAGAACAGCGCAAAAAATTCGTGAGCAAGAAAAAGA
AAGAAATGGAAGTGAAGTGGCAAGAAAAAGTTAAACATATCAGAAGTCAAAAGAACAAATGCAGGC
TGAATTAATAATGGAAGTATGAGAGTTATCTGGAAGTGGAAAGAGCTGTTCTTATCAACCTTGGCCTAATC
AAAGTCACAGAGAAGGGTCATACATGGAGGTGATGTA
  
```

Restriction Sites: Sgfl-Mlul

ACCN: NM_001288563

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:	<u>NM_001288563.1, NP_001275492.1</u>
RefSeq Size:	2921 bp
RefSeq ORF:	2559 bp
Locus ID:	126820
UniProt ID:	<u>Q8IWG1</u>
Cytogenetics:	1p22.3
Gene Summary:	Acts as a negative regulator of cell migration, invasion, and metastasis downstream of p53/TP53, through inhibition of Arp2/3 complex-mediated actin polymerization (PubMed:32128961). Via its association with the multisubunit axonemal dynein complex, is potentially involved in the regulation of cilia function (By similarity). May play a role in osteogenesis of dental tissue-derived mesenchymal stem cells (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.