

Product datasheet for RC220583

DNAH11 (NM_003777) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAH11 (NM_003777) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAH11
Synonyms:	CILD7; DNAHBL; DNAHC11; DNHBL; DPL11
Mammalian Cell Selection:	None
Vector:	pRMT-tGFP, Promoter-less GFP Reporter Vector (PR100002)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RC220583 representing NM_003777 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC220583 representing NM_003777
 Red=Cloning site Green=Tags(s)

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 SSLVQTL CVLLECLLTPENVPSDSPKEVYEVYVFACIWAFFGGTLLQDQISDYQADF SRWWQKEMKAVKF
 PSQGTIFDYVVDHKT KLLPWADKIAQFTMDPDVPLQTVLVHTTETARLRYFMELLLLEKGPLMLVGNAG
 VGKTVFVGDTLASEDYIVSRVFPFNYYTTSTALQKILEKPLEKKAGHNYGPGGNKKLIYFIDDMNMPVEV
 DLYGTVQPHTLIRQHIDYGHWDYRQKVMLEIHNCCQYVACMNPVGSFTINPRLQRHFTVFAFNPSLDA
 LNTIYGQIFSFHQQAFAFAPSILRSGPTLIQATIAFHQTMMCFLPTAIKFHYIFNLRDLSNVFQGILFA
 SPECLKGPLDLIHLWLHESARVYGDKLIDKDCDLFQRRMLETAYKYFEGIDSHMLLQQPLIYCHFADRG
 KDPHYMPVKDWEVLKTIITETLDNYNELNAAMHLVLFEDAMQHVCRI SRILRTPQGCALLVGVGGSGKQS
 LSRLAAYLRGLEVFQITL TEGYGIQELRVDLANLYIRTGAKNMPTVFLLTDAQVLDESFLVINDLLASG
 EIPDLFSDDEDVKIISGIIHNEVHALGMVDSRENCWKFFMARVRLQLKIIICFSPVGRTLRVRARKFPAIV
 NCTAIDWFHAWPQEALVSVSRRFIEETKGI EPVHKDSISLFMAHVHTTVNEMSTRYYQNERRHNYTPKS
 FLEQISL FKNLLKKKQNEVSEKKERLVNGIQKLT TASQVGD LKARLASQEAELQLRNHDAEALITKIGL
 QTEKVSREKTIADAEERKVTAIQTEVFQKQRECEADLLKAEPALVAATAALNTLRVNLSELKAFNPPI
 AVTNTVAAVMVLLAPRGRVPKDRSWKAAKVFMGKVDDFLQALINYDKEHIPENCLKVVNEHYLKDPEFNP
 NLIRTKSFAAAGLCAWVINI IKFYEVYCDVEPKRQALAQANLELAATEKLEAIRKLVLDLDRNL SRLTA
 SFEKATAEKVRCQEEVNQNTKIKLANRLVKELEAKKIRWGSIKSFEAQEKTLCGDVLLTAAFSVYVGP
 FTRQYRQELVHCKWVPLQQKVSIPLEGLDLISMLTDDATIAAWNNEGLPSDRMSTENAAILTHCERWP
 LVIDPQQGKIKWIKNKYGM DLKVTHLGQKGF LNAIETALAFGDVIL IENLEETIDPVLDP LLGRNTIKKG
 KYIRIGDKECFNKNFRLILHTKLANPHYKPELQAQTLLNFTVTEDEGLEAQLLAEVVSIERPDLKLL
 VLTKHQNDFKIELKYLEDDLLLRLSAAEGSF LDDTKLVERLEATKTTVAEIEHKVIEAKENERKINEARE
 CYRPVAARASLLYFVINDLQKINPLYQFSLKAFNVLFHRAIEQADKVEDMQGRISILMESITHAVFLYTS
 QALFEKDKLTFLSQMAFQILLRKKEIDPLELDFLLRFTVEHHTLSPVDFLTSQSWSAIKAIAMVEEFRGI
 DRDVEGSAKQWRKWESECEPEKEKLPQEWKKSLSIQKILLRAMRPRMRYALRNFVEEKLGAKYVERTR
 LDLVKAFEESPATPIFFILSPGVDALKDLEILGKRLGFTIDSGKFHNVS LGQGQETVAEVALEKASKGG
 HWVILQNVHLVAKWLGTEKLLERFSQGSRDYRVFMSAESAPTDEHIIPQGLLENSIKITNEPPTGML
 ANLHAALYNFDQDTLEICSKEQEFKSILFSLCYFHACVAGRLRFGPQGWSRSYPFNP GDLTICASVLYNY
 LEANSKVPWEDLRYLFGEMYGGHITDDWDRKLCRVYLEEFMNP SLTEDELMLAPGFAAPPYLDYAGYHQ
 YIEEMLPPESPALYGLHPNAEIEFLT VTSNTLFRTLLEMQRNALSGDELQGSTEEKVKNVLDLILEKLP
 EEFNMAEIMQKNSNRSPYLVCFQECERMN ILIREIRISLEQLDL SLKGEALALSPAVEAQQFALS YDTPV
 DTWSKLAPSTYGLAQWFNDLLRCRELDWTQDLTLPVAVVWLSGFFNPQSFLTAIMQTMARKNEWPLDK
 TRLTADVTKTKEDYGHPPREGAYLHGLFMEGARWDTQAGTIVEARL KELACMPVIFAKATPVDRQETK
 QTYECPVYRTKLRGSPYIWTFRLLKSEEKTAKWVLGAVALLLEA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<u>NM_003777.2</u> , <u>NP_003768.2</u>
RefSeq Size:	14198 bp
RefSeq ORF:	13571 bp
Locus ID:	8701
Cytogenetics:	7p15.3
Protein Families:	Druggable Genome
MW:	520.9 kDa
Gene Summary:	This gene encodes a ciliary outer dynein arm protein and is a member of the dynein heavy chain family. It is a microtubule-dependent motor ATPase and has been reported to be involved in the movement of respiratory cilia. Mutations in this gene have been implicated in causing Kartagener Syndrome (a combination of situs inversus totalis and Primary Ciliary Dyskinesia (PCD), also called Immotile Cilia Syndrome 1 (ICS1)) and male sterility. [provided by RefSeq, Mar 2013]