

Product datasheet for **RG226654**

DNAH14 (NM_001145154) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAH14 (NM_001145154) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAH14
Synonyms:	C1orf67; Dnahc14; HL-18; HL18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG226654 representing NM_001145154 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACAAGGAGGAAACCAAGACAAAACCAAGACTTTTAAGATATGAAGAGAAAAATATGAAGATGTGA
 AACCATTAGAGACTCAACCAGCTGAAATAGCAGAAAAGGAAACATTGGAATATAAAACAGTTAGAACATT
 CTCTGAATCTTTGAAGTCAGAGAAAACAGAAGATTACCTTAGAGAAAGTATAATTCAACAACATATGGTT
 TCTCCAGAGCCAGCTTCCCTTAAGGAGAAAGGGAAGTCAAGGAGAAAAAGGATCAAACATCATGCTTGTC
 CAAATGTTAGGAAAGCCAGGCCTGTGCTCTATGATAGAACAGAACCAAAAGATGATGATGTGATAAGAAA
 TATTATTAGGCTACGAGAAAAGCTTGGTTGGCAAACTATATTACCGCAGCACAGTTTGAAATACGGAAGC
 TCCAAAATTGCAATTCAAGATTACTTTAAAGAAACCTTTGGAAGATGATGGAGAATTTGTTTATTGCC
 TTCTCGGAAAAGTCTAAATCCCTTTACAATCCATATGATCTTCAGGTAGTATCGGCTCATACTGCTAA
 ACATTGCAAAGAATTTGGGTTATTACTGCTTCATTTATCTCAAAGGTTATTAATATAGTTGGTAGTGTA
 AAGGAAGTAGAATCATACTACTTTGGAATGGCTATCAGAAAGAAGACATTACTATTTATTACGGAAT
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 GACAGAGAAGAGCAGGTCATTTTGTACCACCATCTTTTTTGGCTGATGACTTGTTTCAAACCTGTTTG
 GTTTATATAAGAGGACTTTGTGAAGATGCAATTAATCTCAAAAATTATAATGACCATGAAAAATATCTAT
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 ACAGCAAGCTACCCAGGCATTGAAACAATTGAGGACATCAGGAATAAAGCAATTTAGAGATGAAAAGT
 ACTTTTCTAAAGGTTGCAGAAAAGAAATCAAAAGAGTATTTTGAAGTCAAACTCTCTGAAGATGACA
 CAACACATTTCAAGCTGCCTAAATATAGACGTTTATTAGAAACATTTTCAAGTTTGTAATGCTGGTTGA
 CTACATATTTAGGAACCTATTCGTCACCTATGAACACTGCAGTCACACTACTTTTGAATTTATTAAT
 GTTCTGCTGGAATGCCATTTTTCAGTGGAAGAAAAAGAAATGAAATCTTATCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG226654 representing NM_001145154
 Red=Cloning site Green=Tags(s)

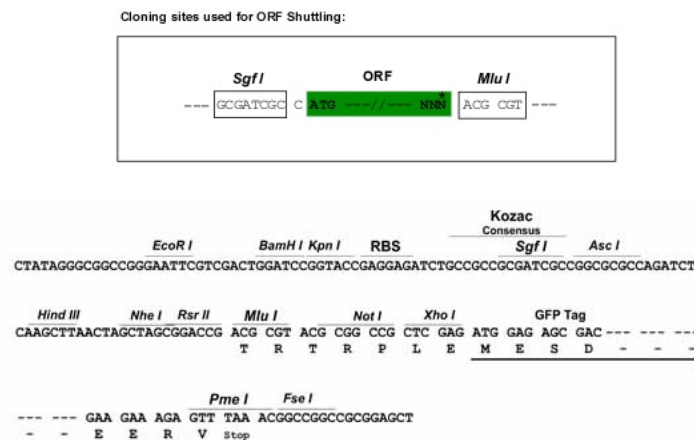
MDKEETKTKPRLRLRYEEKKYEDVKPLETQPAEIAEKETLEYKTVRTFSESLKSEKTEDYLRRESIIQQHVMV
 SPEPASLKEKGKSRKKDQTHACPNVRKARPVSYDRTEPKDDDVIRNIIRLREKLGWQTILPQHSLKYGS
 SKIAIQITLTKKPLEDDGEFVYCLPRKSPKSLYNPYDLQVVSAAHTAKHCKEFWVITASFISKVINIVGSV
 KEVELIPTLEWLSERRHYLLRQFKIFSDFRMNKAFTWKLNVKRIKTEKSRSFLYHHLFLADDLFQTCL
 VYIRGLCEDAINLKNYNDHNNLSAICLVKLDSSRTYSLDEFCEEQLQQATQALKQLEDIRNKAISEMKS
 TFLKVAEKNEIKEYFESKLSDDTTHFKLPKYRRLLETFFKFVMLVDYIFQELIRQLMNTAVTLLELNFN
 GSAGMPFSVEKKNNENLIR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001145154

ORF Size: 1359 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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_001145154.1](#), [NP_001138626.1](#)

RefSeq Size: 1997 bp

RefSeq ORF: 1362 bp

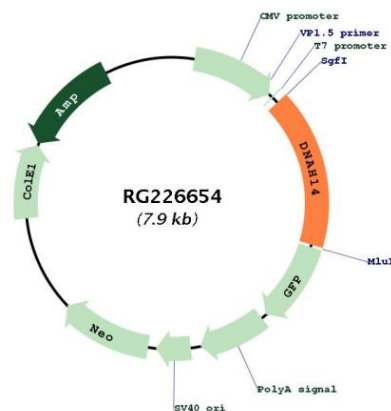
Locus ID: 127602

UniProt ID: [Q0VDD8](#)

Cytogenetics: 1q42.12

Gene Summary: Dyneins are microtubule-associated motor protein complexes composed of several heavy, light, and intermediate chains. Two major classes of dyneins, axonemal and cytoplasmic, have been identified. DNAH14 is an axonemal dynein heavy chain (DHC) (Vaughan et al., 1996 [PubMed 8812413]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG226654