

Product datasheet for **RG205414**

DHX40 (NM_024612) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX40 (NM_024612) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DHX40
Synonyms:	ARG147; DDX40; PAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG205414 representing NM_024612
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCCGGTTTCCCGCAGTCGCGGCAGGGCGCCAAGCGGCAGGAGGGTGAGCGGTCAAGAGACC
 TCCAGGAAGAGCGGCTCTCGGCTGTTTGCATCGCCGATAGAGAAGAGAAAGGATGCACGTCCAGGAGGG
 AGGAACTACTCCAACCTTTTCTATTTCAGAAACAAAGAAAAAGATTATTCAAGCTGTGAGGGACAATTCA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

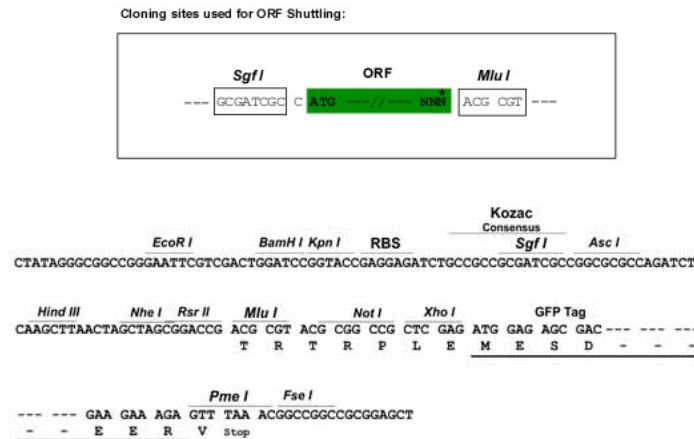
Protein Sequence: >RG205414 representing NM_024612
 Red=Cloning site Green=Tags(s)

MSRFPVAGRAPRRQEEGERSRDLQEERLSAVCIADREEKGCTSQEGGTTPTFPIQKQRKKIIQAVRDN
 FLIVTGN TGSGKTTQLPKYL YEAGFSQHGMIGVTQPRKVA AISVAQRVAEEMKCTLGSKVGYQVRFDDCS
 SKETAIKYMTDGCLLKHILGDPNLTKFSVILDEAHERTLTDDILFGLLKKLFQEKSPNRKEHLKVVVMS
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 GQFEIEKSCCELLFQMAESVDYDYDQDTTLDGLLILPCYGSMTTDQQRRIFLPPPPGIRKCVISTNISAT
 SLTIDGIRYVVDGGFVKQLNHNPRLLGLDILEVVPISKSEALQSRGRAGRTSSGKCFRIYSKDFWNQCMPT
 HVIPEIKRTSLTSVVLTLKCLAIHVIRFPYLDPPNERLILEALKQLYQCD AIDRSGHVTRLGLSMVEFP
 LPHLTCAVIKAASLDCEDLLLPIAAMLSVENVFIRPVDPEYQKEAEQRHRELAAGAGGND FATLAVIF
 EQCKSSGAPASWCQKHWIHWRLFSAFRVEAQLRELIRKLKQSDFPKETFE GPKHEVLRRLCAGYFKN
 VARRSVGRFTCTMDGRGSPVHIHPSSALHEQETKLEWIIIFHEVLVTTKVYARIVCPIRYEWVRDLLPKLH
 EFNAHDLSSVARREVREDARRRWTNKENVKQLKDGISKDVLKKMQRRNDDKSIDARARFLERKQQR TQD
 HSDTRKETG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024612

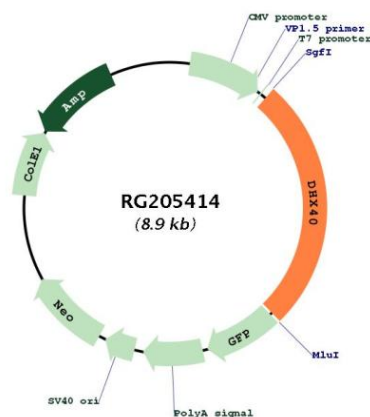
ORF Size: 2337 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_024612.5</u>
RefSeq Size:	3656 bp
RefSeq ORF:	2340 bp
Locus ID:	79665
UniProt ID:	<u>Q8IX18</u>
Cytogenetics:	17q23.1
Domains:	DEAD, helicase_C, HA2
Gene Summary:	This gene encodes a member of the DExH/D box family of ATP-dependent RNA helicases that have an essential role in RNA metabolism. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 17.[provided by RefSeq, Oct 2009]

Product images:



Circular map for RG205414