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CN: techsupport@origene.cn

Product datasheet for RG213162

DHX34 (NM_014681) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX34 (NM_014681) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DHX34
Synonyms:	DDX34; HRH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG213162 representing NM_014681
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTCCTCCTAGAACAAGGGAGGGCAGGGATCGCCGAGACCACCACCGGGCTCCCAGCGAGGAAGAGG
CCTTGGAGAAATGGGACTGGAATTGTCCAGAGACGCGTCGCCTCTTGGAAGATGCCTTCTTCCGTGAAGA
GGATTACATCCGTCAGGGTTCTGAGGAATGTCAGAAGTTTTGGACCTTCTTTGAACGCCTGCAGAGATTC
CAGAATCTCAAGACCTCCAGGAAGGAGGAGAAAGACCCTGGACAGCCCAAGCACAGCATCCCAGCGCTGG
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TCGCCCAGTATGGGAACCGCATCCTGCAGACGCTGAAGGAGCACCAGGTGGTGGTAGTGGCCGGTGACAC
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CAGCCCCGGCGGATCGCCTGCATCTCACTGGCCAAGCGTGTGGGCTTTGAGAGCCTCAGTCAGTATGGCT
CACAGGTCGGCTACCAGATCCGCTTTGAGAGCACACGTTCGGCGGCCACCAAGATTGTATTCCTGACAGT
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TCCGCAGGCCAAGCTGCAACGGCTGCAGGAGTTCTGGATTAGTCAGGCCAGCGCAGAGCAGCGGAAGGGC

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CGGGCGGGCCGCACGGGCCCCGGAGTCTGCTTCCGCCTCTATGCCGAATCGGACTATGATGCCTTCGCCC
CCTACCCCGTCCCAGAAATTCGGAGGGTGGCCCTGGACTCGTTGGTGCTGCAGATGAAGAGCATGAGTGT
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TGCGAGGCCTGCGGGAAGGACTTCCTCTTTACACCCACAGAGGTGCTGCGCCACCGGAAGCAGCACGTG

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213162 representing NM_014681
Red=Cloning site Green=Tags(s)

MPPPRTREGRDRRDHHRAPSEEEALEKWDWNCPETRRLLEDAFFREEDYIRQGSEECQKFWTFFERLQRF
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PTCVFAGSPEVLHAQELEASNCDGSRDDKDKMSSKHQLLSFVSLLETNKPYLVNCVRIPALQSLLLFSRS
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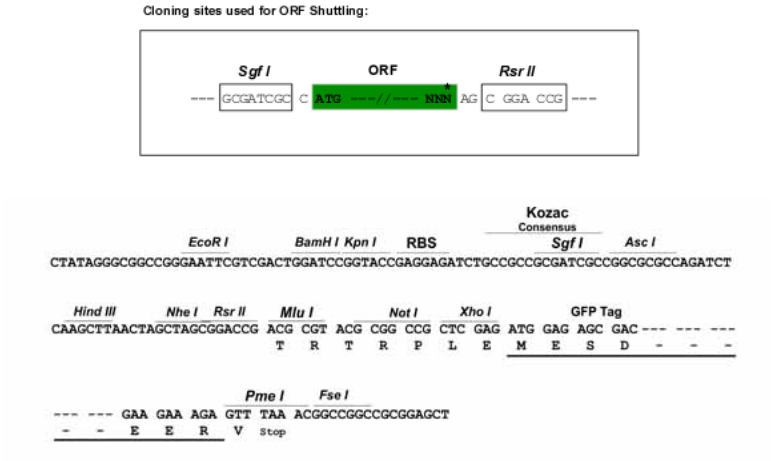
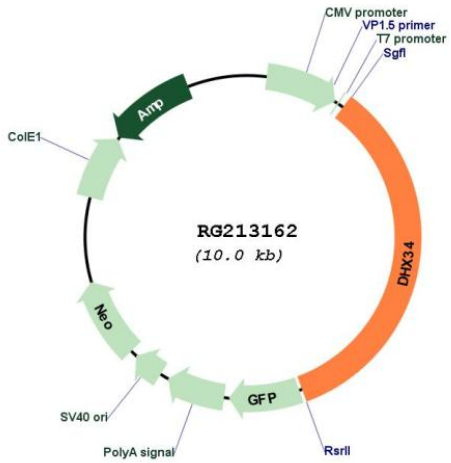
SGPTRTRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN:	NM_014681
ORF Size:	3429 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_014681.6
RefSeq Size:	4386 bp
RefSeq ORF:	3432 bp
Locus ID:	9704
UniProt ID:	Q14147
Cytogenetics:	19q13.32

Gene Summary: DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a member of this family. It is mapped to the glioma 19q tumor suppressor region and is a tumor suppressor candidate gene. [provided by RefSeq, Jul 2008]