

Product datasheet for **RG209792**

DDX43 (NM_018665) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX43 (NM_018665) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DDX43
Synonyms:	CT13; HAGE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209792 representing NM_018665
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCCACACGAGGAGCTCCCAAGGCCTCTACGTGGGTCGTTGCTAGTCGGCGAAGCTCGACAGTGT
 CCCGAGCGCCAGAGAGGAGGCGCGGAGGAGTTGAATCGAACAGGTCTGAGGGATATAGTGTGGCAG
 AGGTGGTCGCTGGAGAGGCACCTCTAGGCCCGGAGGCCGTGGCCGCTGGTCACGAGGAAGTCCGCTG
 TGTGTTGCTTTGAAGAGCCACTTTGTTGGCGCGTAATCGGTCTGGTGGGTCAAAAATAAGAATATAC
 AAAGTACAACAAACACCACAATCCAAATAACAAGAACAACAGAATCATTAGTCAAAATTTTGGCAG
 CAAGGCAATGCAAACGAAAGCAAAGCAGTGATAGACAATTTGTTAAAAAGCTAGAAGAAAATTACAAT
 TCAGAATGCGGAATTGACTGCATTCCAACCTTCTGTTGAAAAGATGGAAGCAGAGATAACAATGTTG
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 GTGGGCAGATTTACCACCAATTAAGAAAACTTTATAAAGAGTCCACTGCCACAAGTGCATGTCAAAA
 GTAGAAGCAGATAGTTGGAGGAAAGAAAATTTTAAATATAACGTGGGATGACTTGAAGGATGGGGAGAAAC
 GACCTATCCCAATCCTACCTGCACATTTGATGACGCCTTCAATGTTATCCTGAGGTTATGAAAAACAT
 TAAAAAGGCAGGTTTTCAAAGCCAACACCTATTCAGTCACAGGCATGGCCCATTTGTTGCAAGGAATA
 GATCTTATAGGAGTAGCCAGACTGGAACAGGAAAGACATTGTGTTATTTAATGCCTGGATTTATTCATC
 TGGTCCTTCAACCCAGCCTTAAAGGTCAAAGGAATAGACCCGGCATGTTAGTTCTAACTCCCACTCGGGA
 ATTAGCACTTCAAGTAGAAGGAGAATGTTGCAATATTCATATAAAGGGCTTCGGAGTGTTTGTGTATAT
 GGTGGTGGAAATAGAGATGAACAAATAGAAGAGCTTAAAAAGGTGTAGATATCATAATTGCAACTCCCG
 GAAGATTGAATGATCTGCAATGAGTAACCTCGTCAATCTGAAGAATATAACCTACTTGGTTTTAGATGA
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 AACCAATGATTGTCTATGTTGGTACATTGGATCTAGTTGCTGTAAGTTCAGTGAAGCAAAATATAATTGT
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 ATTGTCTCTGTTTCTCGAAAAGCTGTTGCGGATCACTTATCAAGTGACCTAATACTTGGAAATATATCAG
 TAGAGTCTCTGCATGGAGATAGAGAACAGAGAGATCGGGAGAAAGCATTAGAGAAGTTTAAACAGGCAA
 AGTGAGAATACTAATTGCAACTGATCTAGCCTCTAGAGGACTTGATGTCCATGACGTTACACATGTCTAT
 AATTTTGACTTTCCACGGAATATTGAAGAATACGTACACCGAATAGGGCGCACGGAAGAGCAGGGAGGA
 CTGGTGTTTCCATTACAACCTTTGACTAGAAATGATTGGAGGGTTGCCTCTGAATTGATTAAATATTCTGGA
 AAGAGCAAATCAGAGTATTCCAGAGGAGCTTGATCAATGGCTGAGAGGTTTGAGGCACATCAACGGAAA
 AGGGAAATGGAAGAAAAATGGAAGACCTCAAGGAAGGCCCAAGAAGTTTCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

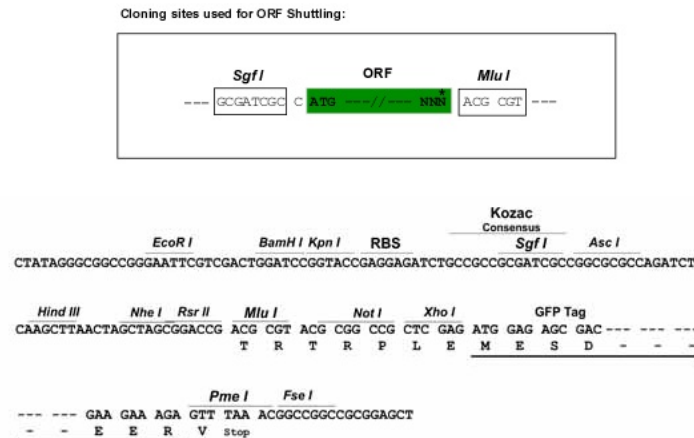
>RG209792 representing NM_018665
 Red=Cloning site Green=Tags(s)

MSHHGGAPKASTWVVASRRSSTVSRAPERPAEELNRTGPEGYSVGRGGRWRGTSRPPEAVAAGHEELPL
 CFALKSHFVGAVIGRGGSKIKNIQSTNTTIQIIQEPESLVKIFGSKAMQTKAKAVIDNFVKLEENYN
 SECIDTAFQPSVGKDGSTDNNVAGDRPLIDWDQIREEGLKWQTKWADLPPIKKNFYKESTATSAMSK
 VEADSWRKENFNITWDDLKDGEKRPINPTCTFDDAFQCYPEVMENIKKAGFQKPTPIQSQAWPVILQGI
 DLIGVAQTGTGKTLCYLMPGFIHLVLQPSLKGQRNRPGLVLTPRELALQVEGECKYSYKGLRSVCVY
 GGNRDEQIEELKKGVDIIATPGRNLQMSNFVNLKNITYLVLDEADKMLDMGFEPQIMKILLDVRPD
 RQVTMTSATWPHSVHRLAQSYLKEPMIYVGTLDLVAVSSVKQNIIVTTEEEKWSHMQTFLQSMSSTDKV
 IVFVSRKAVADHLSSDLILGNISVESLHGDREQRDREKALENFKTGKVRILITDLASRLDVDHVDTHVY
 NFDPRNIEEYVHRIGRTGRAGRTGVSITTLTRNDWRVASELINILERANQSIPEELVSMARFEAHQRK
 REMERKMERPQGRPKKFH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018665

ORF Size: 1944 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_018665.1](#), [NP_061135.1](#)

RefSeq Size: 2318 bp

RefSeq ORF: 1947 bp

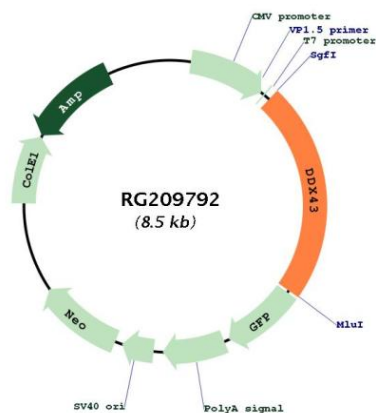
Locus ID: 55510

UniProt ID: [Q9NXZ2](#)

Cytogenetics: 6q13

Gene Summary: The protein encoded by this gene is an ATP-dependent RNA helicase in the DEAD-box family and displays tumor-specific expression. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG209792