

Product datasheet for **RG207173**

DDX59 (NM_001031725) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX59 (NM_001031725) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DDX59
Synonyms:	OFD5; ZNHIT5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207173 representing NM_001031725
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTGTCCAAGATCTCTAAAAATCAAGAGGAATGCTAATGATGATGGCAAAGTTGTGTGGCTAAGA
 TAATTAACCAGACCCAGAAGACCTTCAGTTGGACAAAAGCAGAGATGTTCCCGTTGATGCTGTAGCTAC
 AGAAGCAGCCACAATAGACAGGCACATCAGCGAATCATGCCCTTTCCCGAGCCAGGTGGCCAGTTGGCA
 GAGGTTCAATCAGTAAGTCCCGAGCAGGGTGGCAAGGACAGCCATCCTTCTGAAGAGCCCGTTAAGTCAT
 TTTCCAAAACACAGCGCTGGGCAGAACCAGGGGAACCCATCTGTGTTGTCTGTGGTCTTATGGAGAGTA
 TATCTGTGATAAGACAGATGAAGATGTGTGTAGTTTGGAGTGTAAAGCGAAACATCTTCTACAAGTTAAG
 GAAAAGGAAGAGAAAATCAAACCTCAGCAATCCACAGAAGGCTGATTCTGAGCCAGAGTCTCCACTGAATG
 CTTCTATGTCTACAAAGAGCACCCCTTATTTTGAACCTTCAGGAAGACCAGATTGAAAATCTTAAACA
 GCAGCTGGGAATTTAGTTCAAGGGCAAGAAGTACCAGGCCATTATTGACTTTGAACATTGTAGTCTC
 CCTGAGGTCTTAAATCACAACTTGAAGAAATCAGGCTATGAGGTGCCAATCCCATTCAAATGCAGATGA
 TTCTGTGGGACTTCTGGGAAGAGACATTTCTGGCCAGTGCAAGTACTGGCTCAGGAAAAACAGCTGCTTT
 TCTTCTTCTGTTATCATGCGAGCTTTATTCGAGAGCAAACTCCATCTGCGCTCATTCTTACACCAACC
 AGAGAGTTAGCCATTAGATAGAGAGACAAGCTAAAGAATTGATGAGTGGCCTGCCACGCATGAAAACCTG
 TGCTTCTGTAGGGGGCTTACCTTACCCACAGCTTTATCGTCTGCAACAACATGTTAAGGTTATCAT
 AGCAACCCTGGGCGACTTCTGGATATAATAAAGCAGAGCTCTGTAGAATCTGTGGTGTAAAGATTGTG
 GTAGTAGATGAAGCTGATACCATGTTAAGATGGGTTTTCAACAACAAGTCTTACATTTGGAAAACA
 TTCTAATGATTGTCAGACCATTTGGTTTCAGCCACAATTCCAACATAGCATAGAACAGTTAGCAAGCCA
 GCTTCTGCATAATCCTGTGAGAATTACTCTGGAGAAAAGAACCTACCTGTGCCAATGTACGTCAGATT
 ATTTTGTGGGTAGAAGACCCAGCCAAAAAGAAAAAATTTTGAATTTTAAATGATAAGAACTCTTTA
 AGCCTCCAGTGTTAGTATTTGTGGACTGCAAACTAGGAGCAGATCTTTTGTAGTGAAGCCGTTTCAAAAAT
 CACAGGGCTGAAAAGAATATCTATACATTCGGAGAAGTCGCAAAATAGAAAGGAAAAACATATTGAAGGGA
 TTAAGGAGGACTATGAAGTTGTAGTGAAGCAGGAGTCTTGGGACGAGGCTTAGACTTGATCAGTG
 TCAGGCTGGTTGTCAATTTGATATGCCTTCAAGTATGGATGAGTATGTCCATCAGATTGGAAGAGTAGG
 AAGATTAGGTCAAATGGAACAGCGATTACTTTTCAATAATAATTCAAAAAGACTCTTCTGGGATATT
 GCAAAACGAGTAAAGCCACAGGATCCATTCTTCCCCTCAGTTATTAATTTCCCACATCTTATGACC
 AGAAGAGAAAGGAACAACAGAAAGATAAACAGACACAGAATGATCTGGTTACAGGAGCTAATCTTATGGA
 TATTATCAGAAAACATGATAAAAGTAATTCTCAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207173 representing NM_001031725
 Red=Cloning site Green=Tags(s)

MFVPRSLKIKRNANDDGKSCVAKIIPDPEDLQLDKSRDVPVDAVATEAATIDRHISESCFPSPGGQLA
 EVHSVSPEQGAKDSHPSEEPVKSFSKTRWAEPGEPICVVCGRYGEYICDKTDEDVCSLECKAKHLLQVK
 EKEEKSLSNPQKADSEPEPLNASYVYKEHPPILNLQEDQIENLKQQLGILVQQQEVTRPIIDFEHCSL
 PEVLNHNLKKSGYEVPTPIQMIPVGLLGRDILASADTGSKTAFFLLPVIMRALFESKTPSALILTPT
 RELAIQIERQAKELMSGLPRMKTVLLVGLPLPPQLYRLQQHVKVIATPGRLLDIKQSSVELCGVKIV
 VVDEADTMLKMGFQQVLDILENIPNDQITILVSATIPTSIEQLASQLLHNPVRIITGEKNLPCANVRQI
 ILWVEDPAKKKLFELNDKLFKPPVLFVDCKLGADLLSEAVQKITGLKRISIHSEKSQIERKNILKG
 LLEGDYEVVSTGVLGRGLDLISVRLVNFDMPSMDEYVHQIGRVGRLGQNGTATTFINNNSKRLFWDI
 AKRVKPTGSILPPQLLNSPYLHDQKRKEQQKDKQTQNDLVTGANLMDIIRKHDKSNSQK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001031725

ORF Size: 1857 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: [NM_001031725.3](#)

RefSeq Size: 2240 bp

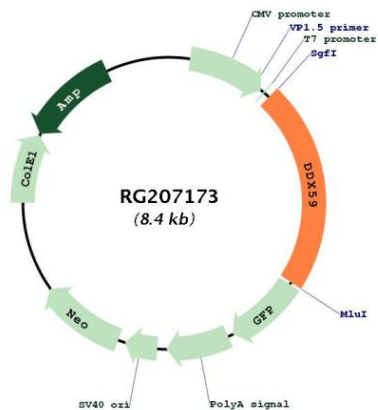
RefSeq ORF: 1860 bp

Locus ID: 83479

UniProt ID: Q5T1V6

Cytogenetics: 1q32.1

Product images:



Circular map for RG207173