OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC207173

DDX59 (NM_001031725) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX59 (NM_001031725) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DDX59
Synonyms:	OFD5; ZNHIT5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

ORF Nucleotide Sequence:

>RC207173 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTGTTCCAAGATCTCTAAAAATCAAGAGGAATGCTAATGATGATGGCAAAAGTTGTGTGGCTAAGA
TAATTAAACCAGACCCAGAAGACCTTCAGTTGGACAAAAGCAGAGATGTTCCCGTTGATGCTGTAGCTAC
AGAAGCAGCCACAATAGACAGGCACATCAGCGAATCATGCCCTTTCCCCAGCCCAGGTGGCCAGTTGGCA
GAGGTTCATTCAGTAAGTCCCGAGCAGGGTGCGAAGGACAGCCATCCTTCTGAAGAGCCCGTTAAGTCAT
TTTCCAAAACACAGCGCTGGGCAGAACCAGGGGAACCCATCTGTGTTGTCTGTGGTCGTTATGGAGAGTA
TATCTGTGATAAGACAGATGAAGATGTGTGTAGTTTGGAGTGTAAAGCGAAACATCTTCTACAAGTTAAG
GAAAAGGAAGAGAAATCAAAACTCAGCAATCCACAGAAGGCTGATTCTGAGCCAGAGTCTCCACTGAATG
CTTCCTATGTCTACAAAGAGCACCCCTTTATTTTGAACCTTCAGGAAGACCAGATTGAAAATCTTAAACA
GCAGCTGGGAATTTTAGTTCAAGGGCAAGAAGTCACCAGGCCCATTATTGACTTTGAACATTGTAGTCTC
CCTGAGGTCTTAAATCACAACTTGAAGAAATCAGGCTATGAGGTGCCAACTCCCATTCAAATGCAGATGA
TTCCTGTGGGACTTCTGGGAAGAGACATTCTGGCCAGTGCAGATACTGGCTCAGGAAAAACAGCTGCTTT
TCTTCTTCCTGTTATCATGCGAGCTTTATTCGAGAGCAAAACTCCATCTGCGCTCATTCTTACACCAACC
AGAGAGTTAGCCATTCAGATAGAGAGACAAGCTAAAGAATTGATGAGTGGCCTGCCACGCATGAAAACTG
TGCTTCTTGTAGGGGGCTTACCCTTACCCCCACAGCTTTATCGTCTGCAACAACATGTTAAGGTTATCAT
AGCAACCCCTGGGCGACTTCTGGATATAATAAAGCAGAGCTCTGTAGAACTCTGTGGTGTAAAGATTGTG
GTAGTAGATGAAGCTGATACCATGTTAAAGATGGGTTTTCAACAACAAGTGCTTGACATTTTGGAAAACA
TTCCTAATGATTGTCAGACCATTTTGGTTTCAGCCACAATTCCAACTAGCATAGAACAGCTAGCAAGCCA
GCTTCTGCATAATCCTGTGAGAATTATCACTGGAGAAAAGAACCTACCTTGTGCCAATGTACGTCAGATT
ATTTTGTGGGTAGAAGACCCAGCCAAAAAGAAAAAATTATTTGAAATTTTAAATGATAAGAAACTCTTTA
AGCCTCCAGTGTTAGTATTTGTGGACTGCAAACTAGGAGCAGATCTTTTGAGTGAAGCCGTTCAGAAAAT
CACAGGGCTGAAAAGAATATCTATACATTCGGAGAAGTCGCAAATAGAAAGGAAAAACATATTGAAGGGA
TTACTTGAAGGAGACTATGAAGTTGTAGTGAGCACAGGAGTCTTGGGACGAGGCCTAGACTTGATCAGTG
TCAGGCTGGTTGTCAATTTTGATATGCCTTCAAGTATGGATGAGTATGTCCATCAGATTGGAAGAGTAGG
AAGATTAGGTCAAAATGGAACAGCGATTACTTTCATCAATAATAATTCAAAAAGACTCTTCTGGGATATT
GCAAAACGAGTAAAGCCCACAGGATCCATTCTTCCCCCTCAGTTATTAAATTCCCCATACCTTCATGACC
AGAAGAGAAAGGAACAACAGAAAGATAAACAGACACAGAATGATCTGGTTACAGGAGCTAATCTTATGGA
TATTATCAGAAAACATGATAAAAGTAATTCTCAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207173 protein sequence
Red=Cloning site Green=Tags(s)

MFVPRSLKIKRNANDDGKSCVAKIIKPDPEDLQLDKSRDVPVDAVATEAATIDRHISESCPFPSPGGQLA
EVHSVSPEQGAKDSHPSEEPVKSFSKTQRWAEPGEPICVVCGRYGEYICDKTDEDVCSLECKAKHLLQVK
EKEEKSKLSNPQKADSEPESPLNASYVYKEHPFILNLQEDQIENLKQQLGILVQGQEVTRPIIDFEHCSL
PEVLNHNLKKSGYEVPTPIQMQMIPVGLLGRDILASADTGSGKTAAFLLPVIMRALFESKTPSALILTPT
RELAIQIERQAKELMSGLPRMKTVLLVGGLPLPPQLYRLQQHVKVIIATPGRLLDIIKQSSVELCGVKIV
VVDEADTMLKMGFQQQVLDILENIPNDCQTILVSATIPTSIEQLASQLLHNPVRIITGEKNLPCANVRQI
ILWVEDPAKKKKLFEILNDKKLFKPPVLVFVDCKLGADLLSEAVQKITGLKRISIHSEKSQIERKNILKG
LLEGDYEVVVSTGVLGRGLDLISVRLVVNFDMPSSMDEYVHQIGRVGRLGQNGTAITFINNNSKRLFWDI
AKRVKPTGSILPPQLLNSPYLHDQKRKEQQKDKQTQNDLVTGANLMDIIRKHDKSNSQK

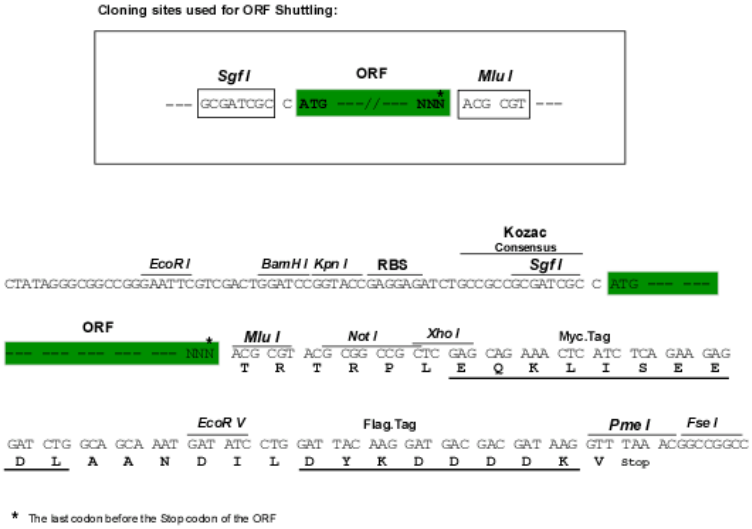
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Chromatograms: https://cdn.origene.com/chromatograms/mk6341_h11.zip

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.

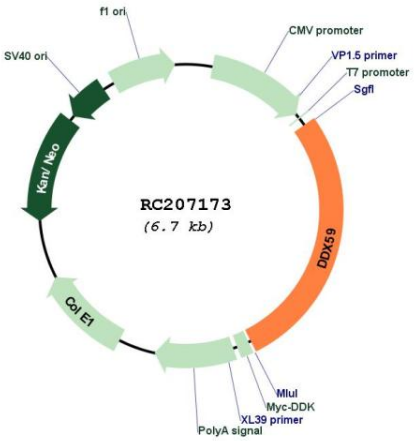
RefSeq: NM_001031725.3

RefSeq Size: 2337 bp

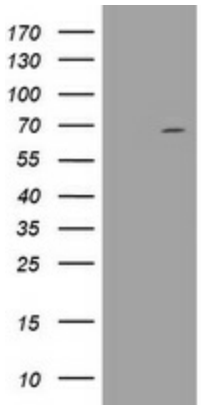
This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

RefSeq ORF:	1860 bp
Locus ID:	83479
UniProt ID:	Q5T1V6
Cytogenetics:	1q32.1
MW:	68.9 kDa

Product images:

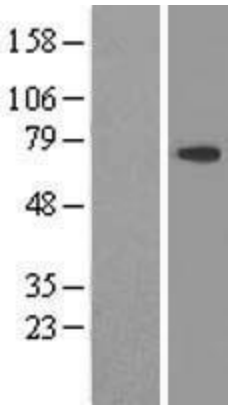


Circular map for RC207173

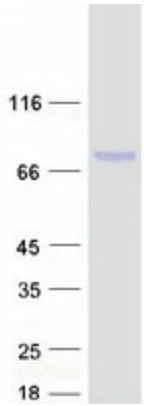


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DDX59 (Cat# RC207173, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DDX59(Cat# [TA800556]). Positive lysates [LY422174] (100ug) and [LC422174] (20ug) can be purchased separately from OriGene.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Western blot validation of overexpression lysate (Cat# [LY422174]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207173 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DDX59 protein (Cat# [TP307173]). The protein was produced from HEK293T cells transfected with DDX59 cDNA clone (Cat# RC207173) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US