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 RC230491

ZDHHC8 (NM_001185024) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC8 (NM_001185024) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZDHHC8
Synonyms:	DHHC8; ZDHHCL1; ZNF378
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC230491 representing NM_001185024
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCCGCAGCCCCGGGACGCGCCTCAAACCCGCCAAGTACATCCCGGTGGCCACGGCCGCCGCGCTGC
TGGTCGGCTCCAGCACCCTCTTCTTCGTGTTCACGTGCCCGTGGTTGACACGAGCTGTGTCCCCAGCTGT
TCCCGTCTACAATGGCATCATCTTCCTCTTTGTCCTGGCCAACTTCAGCATGGCCACTTTCATGGACCCT
GGTGTTTTCCCCCGAGCGGATGAGGATGAGGACAAGGAGGACGACTTCCGGGCTCCGCTGTACAAGAACG
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CTCCCACTGCAGCGTCTGTGACAACTGTGTAGAGGACTTTGACCACCACTGCCCCTGGGTCAACAACTGC
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TGGCCTTCGGCCTGGTCTACGTGCTGAACCACGCTGAGGGGCTGGGAGCCGCGCACACCACCATCACCAT
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GAGGCTGCTGTGGGAATGTGGAGCACGTGCTGTGTAGCCCCCTGGCGCCCCGGTACGTGGTGGAGCCACC
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CCATGCACTGCCCAACCGCAACGGCAGCCTGTCCTATGACAGCCTGCTCAATCCTGGCTCGCCTGGTGGC
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GCCTGTGCGCTACGACAACCTGTCCAGGACCATCATGGCATCCATCCAGGAGCGCAAGGACAGGGAGGAG
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CGGCACTCCCCACTCACCATCCTACGCGGGCCCCAAAGCTGTCGCCTTCATCCACACGGACCTCCCAGAG
CCACCGCCCTCGCTGACCGTGCAGAGGGGGCGGATTGGCACCTGCACCCGTGGATGGGGGCGGCGTGGCC
AGCCTTGGGTGCCTCCTGGGCTGCACCTGTGCCACCTTGGCCGCCCGGAGGACCGCCCACCACTGCGGGC
CCCCTGGAGCCAGGCCGCCGGGGCACCCCCACGCGGGGCCATGTGCCGCCTGCACTTGGCTGCCTCCAGT
CTTTTCCCCAGCCTCTCGGGGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230491 representing NM_001185024
Red=Cloning site Green=Tags(s)

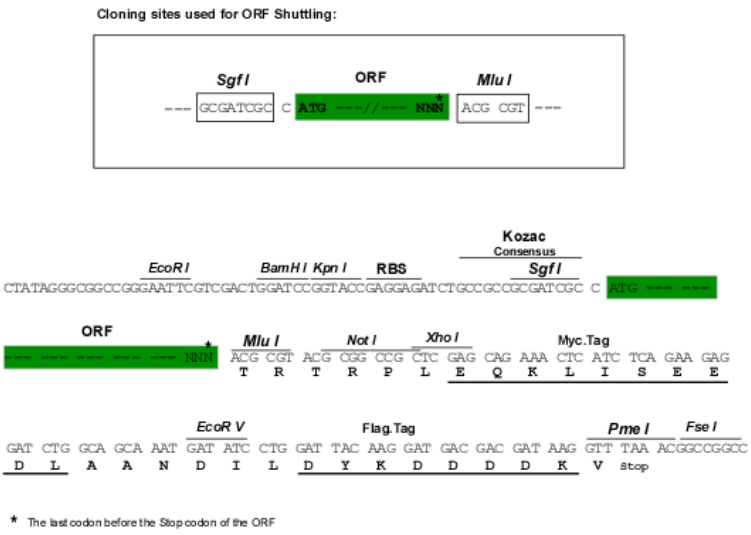
MPRSPGTRLKPAKYIPVATAAALLVGSSTLFFVFTCPWLTRAVSPAVPVYNGIIFLFVLANFSMATFMDP
GVFPRADEDEDKEDDFRAPLYKNVDVRGIQVRMKWCATCHFYRPPRCSHCSVCDNCVEDFDHHCPWVNNC
IGRRNYRYFFLFLLSLSAHMVGVVAFGLVYVLNHAEGLGAAHTTITMAVMCVAGLFFIPVIGLTGFHVVL
VTRGRTTNEQVTGKFRGGVNPFTRGCCGNVEHVLCSPLAPRYVVEPPRLPLAVSLKPPFLRPELLDRAAP
LKVKLSDNGLKAGLGRSKSKGSLDRLDEKPLDLGPPLPPKIEAGTFSSDLQTPRPGSAESALSVQRTSPP
TPAMYKFRPAFPTGPKVPFCGPGEQVPGPDSLTLGDDSIRSLDFVSEPSLDLPDYGPGGLHAAYPPSPPL
SASDAFSGALRSLSLKASSRRGGDHVALQPLRSEGGPPTPHRSIFAPHALPNRNGSLSYDSLLNPGSPGG
HACPAHPAVGVAGYHSPYLHPGATGDPPRPLPRSFSPVLGPRPREPSPVRYDNLSRTIMASIQERKDREE
RERLLRSQADSLFGDSGVYDAPSSYSLQQASVLSEGPRGPALRYGSRDDLVAGPGFGGARNPALQTSLSS
LSSSVSRAPRTSSSSLQADQASSNAPGPRPSSGSHRSPARQGLPSPPGTPHSPSYAGPKAVAFIHTDLPE
PPPSLTVQRGRIGTCTRGWGRRGQPWVPPGLHLCHLGRPEDRPPLRAPWSQAAGAPPRGAMCRLHLAASS
LFPSLSGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8007_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001185024

ORF Size: 2334 bp

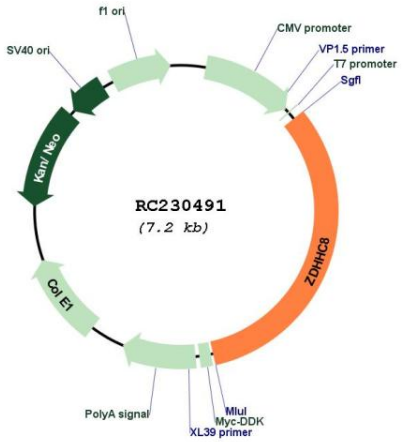
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

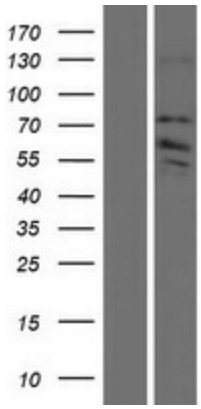
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001185024.2
RefSeq ORF:	2337 bp
Locus ID:	29801
UniProt ID:	Q9ULC8
Cytogenetics:	22q11.21
Protein Families:	Transmembrane
MW:	83.6 kDa
Gene Summary:	This gene encodes a four transmembrane protein that is a member of the zinc finger DHHC domain-containing protein family. The encoded protein may function as a palmitoyltransferase. Defects in this gene may be associated with a susceptibility to schizophrenia. Alternate splicing of this gene results in multiple transcript variants. A pseudogene of this gene is found on chromosome 22.[provided by RefSeq, May 2010]

Product images:



Circular map for RC230491



Western blot validation of overexpression lysate (Cat# [LY433491]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230491 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).