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Product datasheet for RC208423

YTHDF3 (NM_152758) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YTHDF3 (NM_152758) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	YTHDF3
Synonyms:	DF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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ORF Nucleotide Sequence:

>RC208423 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGCCACTAGCGTGGATCAGAGACCTAAAGGGCAAGGAAATAAAGTTTCAGTACAAAACGGTTCGA
TTCATCAAAAAGATGCTGTAAATGATGATGATTTTGAGCCATACTTAAGTAGCCAGACAAATCAGAGTAA
CAGCTATCCACCAATGTCAGATCCATACATGCCTAGTTACTATGCTCCATCCATTGGATTTCCATATTCT
CTTGGGGAAGCAGCGTGGTCCACAGCTGGAGACCAGCCTATGCCATATCTGACAACCTATGGACAAATGA
GTAATGGAGAACATCACTATATACCAGATGGTGTATTTAGTCAACCTGGGGCATTAGGAAATACCCCTCC
ATTTCTTGGTCAACATGGATTTAACTTTTTTCCTGGTAATGCTGATTTCTCTACATGGGGGACAAGTGGA
TCTCAGGGACAATCAACACAAAGTTCTGCTTATAGTAGCAGTTATGGCTATCCACCTAGTTCTCTTGGGA
GAGCTATTACTGATGGACAGGCTGGATTTGGCAATGATACTTTGAGTAAGGTGCCTGGCATTAGCAGTAT
TGAGCAAGGCATGACTGGACTGAAAATTGGTGGTGACCTGACAGCTGCAGTGACAAAAACTGTAGGTACA
GCTTTGAGCAGCAGTGGTATGACTAGCATTGCAACCAATAGTGTGCCCCCAGTTAGCAGTGCAGCACCTA
AACCAACCTCCTGGGCTGCCATTGCCAGAAAGCCTGCCAAACCTCAACCGAAACTTAAACCCAAGGGCAA
TGTGGGAATTGGGGGTTCTGCTGTACCACCACCTCCTATAAAACACAACATGAATATTGGAACTTGGGAT
GAAAAAGGGTCAGTGGTAAAGGCTCCACCAACCCAACCAGTTCTGCCTCCTCAAACTATAATCCAGCAGC
CTCAGCCATTAATTCAACCACCACCATTGGTGCAAAGCCAACTGCCTCAACAGCAGCCTCAACCACCACA
ACCACAGCAGCAACAAGGACCTCAGCCACAGGCCCAGCCTCACCAAGTGCAGCCTCAACAGCAGCAGCTG
CAGAATCGCTGGGTAGCTCCTCGTAACAGGGGAGCAGGCTTCAACCAGAACAATGGAGCGGGCAGTGAAA
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ACCAATTACGGCATATTCGCTTAGAAAATAATGACAACAAACCGGTTACCAATTCAAGGGACACTCAAGA
GGTACCCCTAGAAAAAGCTAAGCAAGTGCTTAAAATAATTGCTACTTTCAAGCATACCACCTCAATCTTT
GATGACTTTGCACATTATGAAAAGCGTCAAGAAGAGGAGGAAGCCATGCGTAGGGAGAGAAATAGAAACA
AACAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208423 protein sequence
Red=Cloning site Green=Tags(s)

MSATSVDQRPKGQGNKVSVQNGSIHQKDAVNDDDFEPYLSSQTNQSNSYPPMSDPYMPSYYAPSIGFPYS
LGEAAWSTAGDQPMPYLTTYGQMSNGEHHYIPDGVFSQPGALGNTPPFLGQHGFNFFPGNADFSTWGTSG
SQGQSTQSSAYSSSYGYPPSSLGRAITDGQAGFGNDTLSKVPGISSIEQGMTGLKIGGDLTAAVTKTVGT
ALSSSGMTSIATNSVPPVSSAAPKPTSWAAIARKPAKPQPKLKPKGNVGIGGSAVPPPPIKHNMNIGTWD
EKGSVVKAPPTQPVLPPQTIIQQPQPLIQPPPLVQSQLPQQQPQPPQPQQQQGPQPQAQPHQVQPQQQQL
QNRWVAPRNRGAGFNQNNGAGSENFGLGVVPVSASPSSVEVHPVLEKLKAINNYNPKDFDWNLKNGRVFI
IKSYSEDDIHRSIKYSIWCSTEHGNKRLDAAYRSLNGKGPLYLLFSVNGSGHFCGVAEMKSVVDYNAYAG
VWSQDKWKGKFEVKWIFVKDVPNNQLRHIRLENNDNKPVTNSRDTQEVPLEKAKQVLKIIATFKHTTSIF
DDFAHYEKRQEEEEAMRRERNRNKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6349_c02.zip

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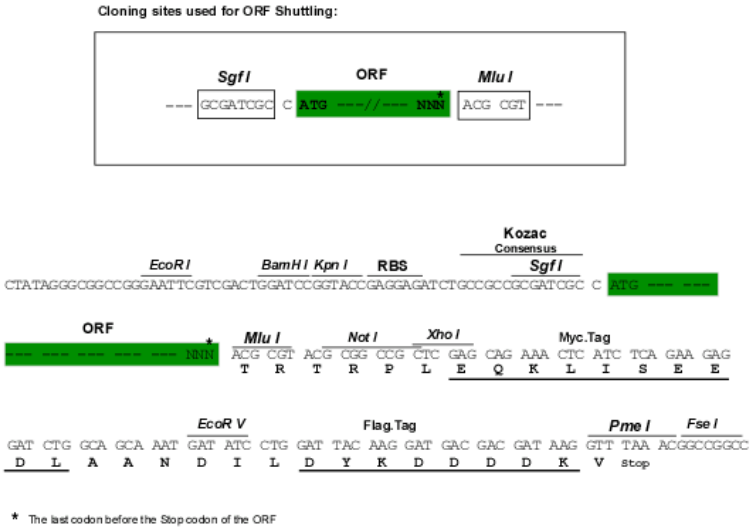
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152758

ORF Size: 1755 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

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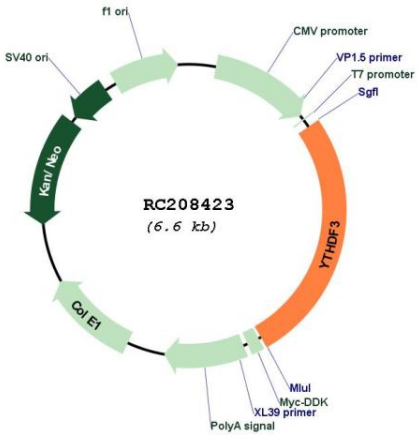
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_152758.6
RefSeq Size:	5171 bp
RefSeq ORF:	1758 bp
Locus ID:	253943
UniProt ID:	Q7Z739
Cytogenetics:	8q12.3
Domains:	YTH
MW:	63.9 kDa
Gene Summary:	This gene encodes a member of the YTH (YT521-B homology) domain protein family. The YTH domain is common in eukaryotes, is often found in the middle of the protein sequence, and may function in binding to RNA. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013]

Product images:



Circular map for RC208423

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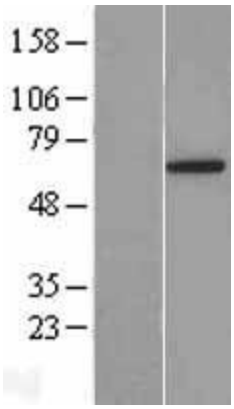

Western blot validation of overexpression lysate (Cat# [LY407308]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208423 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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