

Product datasheet for **RC239000**

YTHDF3 (NM_001277813) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YTHDF3 (NM_001277813) 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)



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ORF Nucleotide Sequence:

>RC239000 representing NM_001277813
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTTCTATCTTGATTTGACTCTGTTTCATAGAGCAGAGGAAACAGGCGAAGAATCATTTTCAGTACAAA
 ACGGTTTCGATTTCATCAAAAAGATGCTGTAAATGATGATGATTTTGAGCCATACTTAAGTAGCCAGACAAA
 TCAGAGTAACAGCTATCCACCAATGTCAGATCCATACATGCCTAGTTACTATGCTCCATCCATTGGATT
 CCATATTCTCTTGGGGAAGCAGCGTGGTCCACAGCTGGAGACCAGCCTATGCCATATCTGACAACTATG
 GACAAATGAGTAATGGAGAACATCACTATATACCAGATGGTGTATTTAGTCAACCTGGGGCATTAGGAAA
 TACCCCTCCATTTCTTGGTCAACATGGATTTAACTTTTTCTGGTAATGCTGATTTCTCTACATGGGGG
 ACAAGTGGATCTCAGGGACAATCAACACAAAGTTCTGCTTATAGTAGCAGTTATGGCTATCCACCTAGTT
 CTCTTGGGAGAGCTATTACTGATGGACAGGCTGGATTTGGCAATGATACTTTGAGTAAGGTGCTGGCAT
 TAGCAGTATTGAGCAAGGCATGACTGGACTGAAAATTGGTGGTGACCTGACAGCTGCAGTGACAAAACT
 GTAGGTACAGCTTTGAGCAGCAGTGGTATGACTAGCATTGCAACCAATAGTGTGCCCCCAGTTAGCAGTG
 CAGCACCTAAACCAACCTCCTGGGCTGCCATTGCCAGAAAGCCTGCCAAACCTCAACCGAAACTTAACCC
 CAAGGGCAATGTGGGAATTGGGGTTCTGCTGTACCACCACCTCTATAAAACACAACATGAATATTGGA
 ACTTGGGATGAAAAGGGTCAGTGGTAAAGGCTCCACCAACCCAACCACTTCTGCCTCCTCAAACTATAA
 TCCAGCAGCCTCAGCCATTAATTCACCAACCACCTTGGTGCAAAGCCAACTGCCTCAACAGCAGCCTCA
 ACCACCACAACCACAGCAGCAACAAGGACCTCAGCCACAGGCCAGCCTCACCAGTGCAGCCTCAACAG
 CAGCAGCTGCAGAATCGCTGGGTAGCTCCTCGTAACAGGGGAGCAGGCTTCAACCAGAACAATGGAGCGG
 GCAGTGAAAACCTTGGTTTAGGTGTTGTACCTGTCACTGCTTACCTTCTAGTGTAGAAGTGCATCCCGT
 GCTGGAAAAGCTAAAGGCCATAAACAACATAATCCCAAAGACTTTGATTGGAATCTGAAGAATGGACGT
 GTGTTTATAATTAAGCTACTCTGAGGATGACATACATCGTTCCATTAAATACTCTATCTGGTGTAGTA
 CTGAGCATGGTAATAAGCGTTTGGATGCAGCTTACCGTTCCCTGAATGGGAAAGGCCACTCTATTTACT
 CTTCACTGTGAATGGCAGTGGACATTTTGTGGAGTGGCTGAAATGAAGTCTGTTGTGGACTATAATGCG
 TATGCTGGTGTCTGGTCTCAGGATAAGTGAAGGGCAAATTTGAAGTAAATGGATCTTTGTCAAAGATG
 TTCCCAATAACCAATTACGGCATATTCGCTTAGAAAATAATGACAACAAACCGGTTACCAATTCAAGGGA
 CACTCAAGAGGTACCCCTAGAAAAAGCTAAGCAAGTGCTTAAAAATAATTGCTACTTTCAAGCATACCACC
 TCAATCTTTGATGACTTTGCACATTATGAAAAGCGTCAAGAAGAGGAGGAAGCCATGCGTAGGGAGAGAA
 ATAGAAACAAACAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239000 representing NM_001277813
 Red=Cloning site Green=Tags(s)

MFYLDLTLFHRAEETGEESFSVQNGSIHQKDAVNDDDFEPYLSSTQNSNSYPPMSDPYMPSSYYAPSIGF
 PYSLGEAAWSTAGDQMPYLLTYGQMSNGEHYIPDGVSQPGALGNTPPFLGQHGFNFFPGNADFSTWG
 TSGSQGSTQSSAYSSSYGYPPSSLGRAITDQGAGFGNDTLSKVPGLSSIEQGMTGLKIGGDLTAAVTKT
 VGTALSSSGMTSIATNSVPPVSSAAPKPTSWAAIARKPAKPQPKLKPGNVGIGGSAVPPPIKHNMNIG
 TWDEKGSVVKAPPTQPVLPQTIIQQPQLIQPPPLVQSQLPQQPQPPQPPQQQGPQQAQPHQVQPPQ
 QQLQNRWVAPRNRGAGFNQNGAGSENFGLGVVPVSASPSSVEVHPVLEKLKAINNYPKDFDWNLNKGR
 VFIKSYSEDDIHRSIKYSIWCSTEHNKRLDAAYSRLNGKGPLYLLFSVNGSGHFCGVAEMKSVVDYNA
 YAGVWSQDKWKGFVKWIFVKDVPNNQLRHIRLENNDNKPVTNSRDTQEVPLEKAKQVLKIIATFKHTT
 SIFDDFAHYEKRQEEEEAMRRERNRKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001277813

ORF Size: 1764 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_001277813.1](#), [NP_001264742.1](#)

RefSeq Size: 5317 bp

RefSeq ORF: 1767 bp

Locus ID: 253943

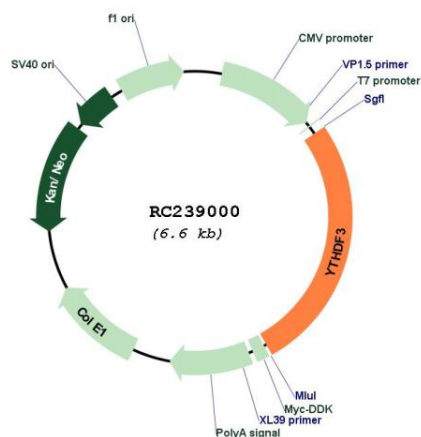
UniProt ID: [Q7Z739](#)

Cytogenetics: 8q12.3

MW: 64.9 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 RC239000