

Product datasheet for **RC238764**

YTHDF3 (NM_001277815) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YTHDF3 (NM_001277815) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	YTHDF3
Synonyms:	DF3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238764 representing NM_001277815
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGATCCATACATGCCTAGTTACTATGCTCCATCCATTGGATTTCATATTCTCTTGGGGAAGCAG
 CGTGGTCCACAGCTGGAGACCAGCCTATGCCATATCTGACAACCTATGGACAAATGAGTAATGGAGAACA
 TCACTATATACCAGATGGTGTATTTAGTCAACCTGGGGCATTAGGAAATACCCCTCCATTTCTTGGTCAA
 CATGGATTTAACTTTTTCTGGTAATGCTGATTTCTCTACATGGGGGACAAGTGGATCTCAGGGACAAT
 CAACACAAAGTTCTGCTTATAGTAGCAGTTATGGCTATCCACCTAGTTCTCTTGGGAGAGCTATTACTGA
 TGGACAGGCTGGATTTGGCAATGATACTTTGAGTAAGGTGCCTGGCATTAGCAGTATTGAGCAAGGCATG
 ACTGGACTGAAAATTGGTGGTACCTGACAGCTGCAGTGACAAAACTGTAGGTACAGCTTTGAGCAGCA
 GTGGTATGACTAGCATTGCAACCAATAGTGTGCCCCAGTTAGCAGTGCAGCACCTAAACCAACCTCCTG
 GGCTGCCATTGCCAGAAAGCCTGCCAAACCTCAACCGAAACTTAAACCCAAGGGCAATGTGGGAATTGGG
 GGTTCGCTGTACCACCCTCCTATAAAAACACAACATGAATATTGGAACCTGGGATGAAAAAGGTCAG
 TGGTAAAGGCTCCACCAACCAACCAAGTTCTGCCTCCTCAAATAATCCAGCAGCCTCAGCCATTAAT
 TCAACCACCACCTGGTCAAAGCCAAGTGCCTCAACAGCAGCCTCAACCACCACAACCAAGCAGCA
 CAAGGACCTCAGCCACAGGCCAGCCTCAACCAAGTGCAGCCTCAACAGCAGCAGCTGCAGAAATCGCTGGG
 TAGCTCCTCGTAACAGGGGAGCAGGCTTCAACCAAGTGCAGCCTCAACAGCAGCAGCTGCAGAAATCGCTGGG
 TGTTGTACCTGTCAGTGCCTCACCTTCTAGTGTAGAAGTGCATCCCGTCTGGAAAAGCTAAAGGCCATA
 AACAACTATAATCCAAAGACTTTGATTGGAATCTGAAGAATGGACGTGTGTTTATAATTTAAAGCTACT
 CTGAGGATGACATACATCGTTCCTTAAATACTCTATCTGGTGTAGTACTGAGCATGGTAAATAAGCGTTT
 GGATGCAGCTTACCGTTCCTGAATGGGAAAGGCCACTCTATTTACTCTTCAGTGTGAATGGCAGTGGGA
 CTTTTTGTGGAGTGGCTGAAATGAAGTCTGTTGTGGACTATAATGCGTATGCTGGTGTCTGGTCTCAGG
 ATAAGTGAAGGGCAAATTTGAAGTTAAATGGATCTTTGTCAAAGATGTTCCCAATAACCAATTACGGCA
 TATTCGCTTAGAAAATAATGACAACAAACCGGTTACCAATTCAAGGGACTCAAGAGGTACCCCTAGAA
 AAAGCTAAGCAAGTGCCTAAAATAATTGCTACTTTCAAGCATACCACCTCAATCTTTGATGACTTTGCAC
 ATTTGAAAAGCGTCAAGAAGAGGAGGAAGCCATGCGTAGGGAGAGAAAATAGAAACAAACAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238764 representing NM_001277815
 Red=Cloning site Green=Tags(s)

MSDPYMPSYYAPSI GFPYSLGEAAWSTAGDQMPYL TTYGQMSNGEHYIPDGVSQPGALGNTPPFLGQ
 HGFNFFPGNADFSTWGTSGSQGSTQSSAYSSSYGYPPSSLGRAITDQAGFGNDLSKVPGISSIEQGM
 TGLKIGGDLTAAVTKTVGTALSSSGMTSIATNSVPPVSSAAPKPTSWAAIARKPAKQPQKPKGNVIGI
 GSAVPPPIKHNMIIGTWDEKGSVVKAPPTQPVLPPQTIIQQPQLIQPPPLVQSQLPQQPQQPQQQ
 QGPQQAQPHVQPPQQQLQNRWVAPRNRGAGFNQNNAGSENFGLGVVPSASPSSVEVHPVLEKLA
 NNYNPKDFDWNLKNGRVFIIKSYSEDDIHRSIKYSIWCSTEHGNKRLDAAYSRLNGKGPLYLLFSVNGSG
 HFCGVAEMKSVVDYNAYAGVWSQDKWKGFVVKWIFVKDVPNNQLRHIRLENNDNKPVNTSRDTEVPLE
 KAKQVLKIIATFKHTTSIFDDFAHYEKQEEEEAMRRERNRNKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

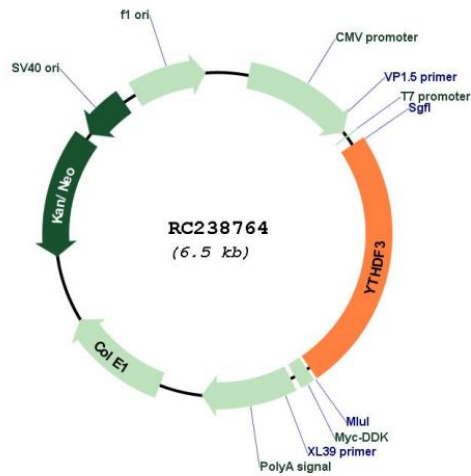
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001277815
ORF Size:	1602 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:	<ol style="list-style-type: none">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_001277815.1 , NP_001264744.1
RefSeq Size:	5202 bp
RefSeq ORF:	1605 bp
Locus ID:	253943
UniProt ID:	Q7Z739
Cytogenetics:	8q12.3
MW:	58.8 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]