

Product datasheet for **RC238766**

YTHDF3 (NM_001277817) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YTHDF3 (NM_001277817) 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:

>RC238766 representing NM_001277817
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGATCCATACATGCCTAGTTACTATGCTCCATCCATTGGATTCCATATTCTCTTGGGGAAGCAG
 CGTGGTCCACAGCTGGAGACCAGCCTATGCCATATCTGACAACCTATGGACAAATGAGTAATGGAGAACA
 TCACTATATACCAGATGGTGTATTTAGTCAACCTGGGGCATTAGGAAATACCCCTCCATTTCTTGGTCAA
 CATGGATTTAACTTTTTCTGGTAATGCTGATTTCTCTACATGGGGGACAAGTGGATCTCAGGGACAAT
 CAACACAAAGTTCTGCTTATAGTAGCAGTTATGGCTATCCACCTAGTTCTCTTGGGAGAGCTATTACTGA
 TGGACAGGCTGGATTTGGCAATGATACTTTGAGTAAGGTGCCTGGCATTAGCAGTATTGAGCAAGGCATG
 ACTGGACTGAAAATTGGTGGTACCTGACAGCTGCAGTGACAAAACTGTAGGTACAGCTTTGAGCAGCA
 GTGGTATGACTAGCATTGCAACCAATAGTGTGCCCCAGTTAGCAGTGCAGCACCTAAACCAACCTCCTG
 GGCTGCCATTGCCAGAAAGCCTGCCAAACCTCAACCGAAACTTAAACCCAAGGGCAATGTGGGAATTGGG
 GGTTCGTGTACCACCACCTCCTATAAAAACACAACATGAATATTGGAACCTGGGATGAAAAAGGGTCAG
 TGGTAAAGGCTCCACCAACCAACCAAGTTCTGCCTCCTCAAATAATCCAGCAGCCTCAGCCATTAAT
 TCAACCACCACCTGGTCAAAGCCAAGTGCCTCAACAGCAGCCTCAACCACCACAACCAAGCAGCA
 CAAGGACCTCAGCCACAGGCCAGCCTCAACCAAGTGCAGCCTCAACAGCAGCAGCTGCAGAAATCGCTGGG
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 AACAACTATAATCCAAAGACTTTGATTGGAATCTGAAGAATGGACGTGTGTTTATAATTTAAAGCTACT
 CTGAGGATGACATACATCGTTCCATTAATAACTCTATCTGGTGTAGTACTGAGCATGGTAATAAGCGTTT
 GGATGCAGCTTACCGTTCCCTGAATGGGAAAGGCCACTCTATTTACTCTTCAGTGTGAATGGCAGTGGGA
 CTTTTTGTGGAGTGGCTGAAATGAAGTCTGTTGTGGACTATAATGCGTATGCTGGTGTCTGGTCTCAGG
 ATAAGTGAAGGGCAAATTTGAAGTTAAATGGATCTTTGTCAAAGATGTTCCCAATAACCAATTACGGCA
 TATTCGCTTAGAAAATAATGACAACAAACCGGTTACCAATTCAAGGGACTCAAGAGGTACCCCTAGAA
 AAAGCTAAGCAAGTGCCTAAAATAATTGCTACTTTCAAGCATACCACCTCAATCTTTGATGACTTTGCAC
 ATTTATGAAAAGCGTCAAGAAGAGGAGGAAGCCATGCGTAGGGAGAGAAAATAGAAACAAACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238766 representing NM_001277817
 Red=Cloning site Green=Tags(s)

MSDPYMPSYYAPSI GFPYSLGEAAWSTAGDQMPYL TTYGQMSNGEHYIPDGVFSQPGALGNTPPFLGQ
 HGFNFFPGNADFSTWGTSGSQGSTQSSAYSSSYGYPPSSLGRAITDQAGFGNDTLSKVPGISSIEQGM
 TGLKIGGDLTAAVTKVTGALSSSGMTSIATNSVPPVSSAAPKPTSWAAIARKPAKQPQLKPKGNVIGI
 GSAVPPPIKHNMIIGTWDEKGSVVKAPPTQPVLPPQTIIQQPQLIQPPPLVQSQLPQQPQQPQQQ
 QGPQQAQPHVQPPQQQLQNRWVAPRNRGAGFNQNNAGSENFGLGVVPSASPSSVEVHPVLEKLA
 NNYNPKDFDWNLKNRVIKSYSEDDIHRSIKYSIWCSTEHGNKRLDAAYSRLNGKGPLYLLFSVNGSG
 HFCGVAEMKSVVDYNAAYAGVWSQDKWKGKFEVKWIFVKDVPNNQLRHIRLENNDNKPVNTSRDTEVPLE
 KAKQVLKIIATFKHTTSIFDDFAHYEKQEEEEAMRRERNRNKQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

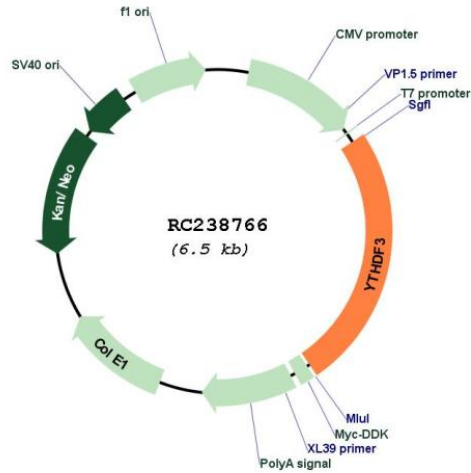
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001277817
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_001277817.1 , NP_001264746.1
RefSeq Size:	5010 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]