

Product datasheet for **RG239000**

YTHDF3 (NM_001277813) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YTHDF3 (NM_001277813) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	YTHDF3
Synonyms:	DF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239000 representing NM_001277813.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTTCTATCTTGATTTGACTCTGTTTCATAGAGCAGAGGAAACAGGCGAAGAATCATTTCAGTACAA
AACGGTTCGATTCATCAAAAAGATGCTGTAATGATGATGATTTTGGCCATACTTAAGTAGCCAGACA
AATCAGAGTAACAGCTATCCACCAATGTGAGATCCATACATGCCTAGTACTATGCTCCATCCATTGGA
TTTCCATATTCTCTGGGGAAGCAGCGTGGTCCACAGCTGGAGACCAGCCTATGCCATATCTGACAACC
TATGGACAAATGAGTAATGGAGAACATCACTATATACCAGATGGTGTATTTAGTCAACCTGGGGCATTG
GGAAATACCCCTCCATTCTTGGTCAACATGGATTTAACTTTTTCTGGTAATGCTGATTTCTCTACA
TGGGGGACAAGTGGATCTCAGGGACAATCAACACAAGTTCTGCTTATAGTAGCAGTTATGGCTATCCA
CCTAGTCTCTTGGGAGAGCTATTACTGATGGACAGGCTGGATTTGGCAATGATACTTTGAGTAAGGTG
CCTGGCATTAGCAGTATTGAGCAAGGCATGACTGGACTGAAAATTTGGTGGTGACCTGACAGCTGCAGTG
ACAAAACTGTAGGTACAGCTTTGAGCAGCAGTGGTATGACTAGCATTGCAACCAATAGTGTGCCCCCA
GTTAGCAGTGCAGCACCTAAACCAACCTCTGGGCTGCCATTGCCAGAAAGCCTGCCAAACCTCAACCG
AAACTTAAACCAAGGGCAATGTGGGAATTTGGGGTTCTGCTGTACCACCACCTCTATAAAACACAAC
ATGAATATTGGAACCTGGGATGAAAAAGGGTCAGTGGTAAAGGCTCCACCAACCCAAACGATTTGCCT
CCTCAAATAAATCCAGCAGCCTCAGCCATTAATTCAACCACCACCATTTGGTCAAAGCCAACCTGCCT
CAACAGCAGCCTCAACCACCACAACCACAGCAGCAACAAGGACCTCAGCCACAGGCCCAGCCTCACCAA
GTGCAGCCTCAACAGCAGCAGCTGCAGAATCGCTGGTAGCTCCTCGTAACAGGGGAGCAGGCTTCAAC
CAGAACAAATGGAGCGGGCAGTAAAACTTTGGTTTAGGTGTTGTACCTGTCAGTGCTTACCTTCTAGT
GTAGAAGTGCATCCCGTGTGGAAAAGCTAAAGGCCATAAACAATAAATCCCAAAGACTTTGATTGG
AATCTGAAGAATGGACGTGTGTTTATAATAAAAAGCTACTCTGAGGATGACATACATCGTCCATTAAA
TACTCTATCTGGTGTAGTACTGAGCATGGAATAAGCGTTTGGATGCAGCTTACCCTTCCCTGAATGGG
AAAGGCCCACTCTATTTACTCTTCAGTGTGAATGGCAGTGGACATTTTTGTGGAGTGGCTGAAATGAAG
TCTGTTGTGGACTATAATGCGTATGCTGGTGTCTGGTCTCAGGATAAGTGGAAAGGGCAAATTTGAAGTT
AAATGGATCTTTGTCAAAGATGTTCCCAATAACCAATTACGGCATATTCGCTTAGAAAATAATGACAAC
AAACCGGTTACCAATTCAAGGGACTCAAGAGGTACCCCTAGAAAAAGCTAAGCAAGTGCCTAAAAATA
ATTGCTACTTTCAAGCATACCACCTCAATCTTTGATGACTTTGCACATTATGAAAAGCGTCAAGAAGAG
GAGGAAGCCATGCGTAGGAGAGAAAATAGAAACAAACAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG239000
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MFYLDLTLFHRAEETGEESFSVQNGSIHQDAVNDDDFEPYLSSTNQNSYPPMSDPYMPYSYYAPSIG
FPYSLGEAAWSTAGDQMPYLLTYGQMSNGEHHYIPDGVFSQPGALGNTPPFLGQHGFNFFPGNADFST
WGTSGSQGSTQSSAYSSTYGYPPSSLGRAITDQAGFGNDLTKVPGISSIEQGMTGLKIGDGLTAAV
TKTVGTALSSSGMTSIATNSVPPVSSAAPKPTSWAAIARKPAKQPQLKPKGNVIGGSVAVPPPPIKHN
MNIQTWDEKGSVVKAPPTQPVLPPQTI IQQPQLIQPPPLVQSQLPQQQPQQPQQQGPQQAQPHQ
VQPQQQLQNRWVAPRNRGAGFNQNGAGSENFGLGVVPVSASPSSVEVHPVLEKLA INNYNPKDFDW
NLKNGRVFI IKS YSEDDIHRSIKYSIWCSTE HGNKRLDAA YRSLNGKGPLYLLFSVNGSGHFCGVAEMK
SVVDYNAYAGVWSQDKWKGFVKWIFVKDVPNNQLRHIRLENNDNKPV TNSRDTQEVPLEKAKQVLKI
IATFKHTTSIFDDFAHYEKRQEEEEAMRRERNRNKQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

SgfI-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).

RefSeq: [NM_001277813.1](#), [NP_001264742.1](#)

RefSeq Size: 5317 bp

RefSeq ORF: 1767 bp

Locus ID: 253943

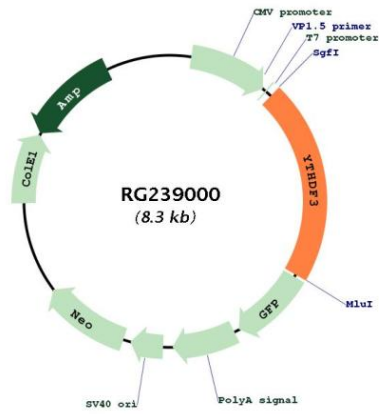
UniProt ID: [Q7Z739](#)

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 RG239000