

Product datasheet for **RG208423**

YTHDF3 (NM_152758) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YTHDF3 (NM_152758) 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)



[View online »](#)

ORF Nucleotide Sequence:

>RG208423 representing NM_152758
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCAGCCACTAGCGTGGATCAGAGACCTAAAGGGCAAGGAAATAAAGTTTCAGTACAAAACGGTTCGA
 TTCATCAAAAAGATGCTGTAATGATGATGATTTTGGCCATACTTAAGTAGCCAGACAAATCAGAGTAA
 CAGCTATCCACCAATGTCAGATCCATACATGCCTAGTTACTATGCTCCATCCATTGGATTCCATATTCT
 CTTGGGAAGCAGCGTGGTCCACAGCTGGAGACCAGCCTATGCCATATCTGACAACCTATGGACAAATGA
 GTAATGGAGAACACTACTATATACCAGATGGTGTATTTAGTCAACCTGGGGCATTAGGAAATACCCCTCC
 ATTTCTTGGTCAACATGGATTTAACTTTTTTCTGGTAATGCTGATTTCTCTACATGGGGGACAAGTGA
 TCTCAGGGACAATCAACACAAAGTTCTGCTTATAGTAGCAGTTATGGCTATCCACCTAGTTCTCTGGGA
 GAGCTATTACTGATGGACAGGCTGGATTGGCAATGATACTTTGAGTAAGTGCCTGGCATTAGCAGTAT
 TGAGCAAGGCATGACTGGACTGAAAATTTGGTGGTGACCTGACAGCTGCAGTGACAAAACTGTAGGTACA
 GCTTTGAGCAGCAGTGGTATGACTAGCATTGCAACCAATAGTGTGCCCCAGTTAGCAGTGCAGCACCTA
 AACCAACCTCCTGGGCTGCCATTGCCAGAAAGCCTGCCAAACCTCAACCGAAACTTAAACCAAGGGCAA
 TGTGGGAATTGGGGTCTGCTGTACCACCACCTCCTATAAAAACAACATGAATATTGGAACCTGGGAT
 GAAAAAGGGTCAGTGGTAAAGGCTCCACCAACCAACAGTTCTGCCTCCTCAAATAATCCAGCAGC
 CTCAGCCATTAATTAACCACCACCTGGTGCAGGCAACCTGCCTCAACAGCAGCCTCAACCACCACA
 ACCACAGCAGCAACAAGGACCTCAGCCACAGGCCAGCCTCACCAGTGCAGCCTCAACAGCAGCAGCTG
 CAGAAATCGCTGGTAGCTCCTCGTAACAGGGGAGCAGGCTCAACCAGAACAATGGAGCGGCAGTGAAA
 ACTTTGGTTTAGGTGTTGACCTGTCAGTGCTTACCTTCTAGTGTAGAAGTGCATCCCGTCTGGAAAA
 GCTAAAGGCCATAAACAATAATCCCAAGACTTTGATTGGAATCTGAAGAATGGACGTGTGTTATA
 ATTAAGGCTACTCTGAGGATGACATACATCGTCCATTAATACTCTATCTGGTGTAGTACTGAGCATG
 GTAATAAGCGTTTGGATGCAGCTTACCCTCCCTGAATGGGAAAGGCCACTCTATTTACTCTTCAGTGT
 GAATGGCAGTGGACATTTTGTGGAGTGGCTGAAATGAAGTCTGTTGTGGACTATAATGCGTATGCTGGT
 GTCTGGTCTCAGGATAAGTGAAGGGCAAATTTGAAGTAAATGGATCTTTGTCAAAGATGTTCCCAATA
 ACCAATTACGGCATATTCGTTAGAAAATAATGACAACAACCGGTTACCAATTAAGGGGACTCAAGA
 GGTACCCCTAGAAAAAGCTAAGCAAGTGTAAAATAATTGCTACTTTCAAGCATACCACCTCAATCTTT
 GATGACTTTGCACATTATGAAAAGCGTCAAGAAGAGGAGGAGCCATGCGTAGGGAGAGAAATAGAAACA
 AACAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208423 representing NM_152758
 Red=Cloning site Green=Tags(s)

MSATSVDQRPKGQGNKVSQNGSIHQKDAVNDDDFEPYLSSTQNSNSYPPMSDPYMPSYYAPSIGFPYS
 LGAAWSTAGDQMPYLTYYGQMSNGEHYIPDGVSQPGALGNTPPFLGQHGFFNFPGNADFSTWGTSG
 SQGQSTQSSAYSSSYGYPSSLGRAITDQAGFGNDLTKVPGISSIEQGMTGLKIGDDLTAAVTKTVGT
 ALSSSGMTSIATNSVPPVSSAAPKPTSWAAIARKPAKQPPLKPKGNVIGGSVAVPPPIKHNMNIGTWD
 EKGSVVKAPPTQPVLPQTIIQQPQLIQPPPLVQSQLPQQQPQPQQQQGPPQAQPHQVQPQQQL
 QNRWVAPRNRGAGFNQNGAGSENFGLGVVPSASPSVVEVHPVLEKKAINNYPKDFDWNLNKGRVFI
 IKSYSIEDDIHRSIKYSIWCSTEHNKRLDAAYRSLNGKGLYLLFSVNGSGHFCGVAEMKSVVDYNAYAG
 VWSQDKWKGKFEVKWIFVKDVPNNQLRHIRLENNDNKPVNTSRDTEVPLEKAKQVLKIIATFKHTTSIF
 DDFAHYEKRQEEEEAMRRERNRNKQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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.

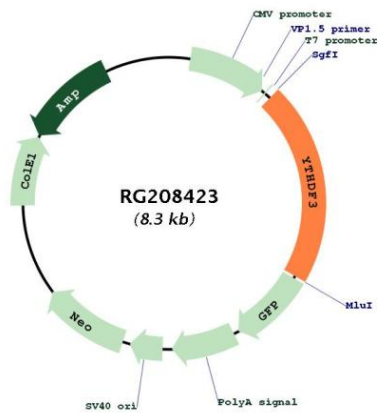
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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.

RefSeq: [NM_152758.6](#)
RefSeq Size: 5156 bp
RefSeq ORF: 1758 bp
Locus ID: 253943
UniProt ID: [Q7Z739](#)
Cytogenetics: 8q12.3
Domains: YTH

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 RG208423