

Product datasheet for **RG228554**

UTP14A (NM_001166221) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UTP14A (NM_001166221) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UTP14A
Synonyms:	dj537K23.3; NYCO16; SDCCAG16; Utp14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG228554 representing NM_001166221
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGCGAACCGGCTTGCAGAGAGCCTTCTGGCTTTGAGCCAACAGGAAGAACTAGCGGATTTGCCAA
 AAGACTACCTCTTGAGTGAGAGTGAAGATGAGGGGGACAATGATGGAGAGAGAAAGCATCAAAAGCTTCT
 GGAAGCAATCAGTTCCCTTGATGAAAAGAATAGGCGGAAATTGGCTGAGAGGTCTGAGGCTAGTCTGAAG
 GTGTCAGAGTTCAATGTCAAGGATCAGGAGAAAAGCTGGTCTTGCAGATCTGCTTGAGCCTG
 TTTAAACTTCATCTTCTTTGGCCACTGTGAAAAAGCAACTGAGTAGAGTCAAATCAAAGAAGACAGTGGA
 GTTACCTCTGAACAAAGAAGAGATTGAACGGGCAAGAAGCTCCCTGGAGCAGGAAATTTTCAACCTCCTC
 CATAAGAACAAGCAGCCAGTGACAGACCCTTTACTGACCCTGTGAAAAGGCCTCTCTCCGAGCCATGA
 GCCTAGAAGAGGCAAGATGCGACGAGCAGAGCTTCAGAGGGCTCGGGCTCTGCAGTCTACTATGAGGC
 CAAGGCTCGAAGAGAGAAGAAAATCAAAAGTAAAAAGTATCACAAGTCTGTAAGAAAGGAAAGGCCAAG
 AAAGCCCTAAAAGAGTTTGAGCAGCTGCGGAAGGTTAATCCAGCTGCAGCACTAGAAGAAGTGGAAAAA
 TTGAAAAGGCCAGAATGATGGAAGAATGAGCCTTAAGCACAAAACAGTGGGAAATGGGCCAAGTCAAA
 GGCAATTATGGCCAAATATGACCTGGAGGCTCGCCAAGCTATGCAGGAACAGTTGTCTAAGAACAAGAA
 CTGACACAGAACTCCAGGTAGCCTCTGAGAGTGAGGAAGAGGAGGGAGGCACAGAAGATGTGGAAGAAC
 TCCTTGTCCCTGATGTAGTGAATGAAGTGCAGATGAATGCAGATGGGCCGAATCCCTGGATGCTCAGGAG
 CTGCACCAAGTACACCAAAGAGGCTGCAACCCAGGAGGACCCTGAGCAACTGCCAGAGCTTGAGGCCCAT
 GGAGTTTCTGAAAGTGAGGGAGAAGAAAGACCAGTGGCAGAAGAAGAAATTTTGTGAGAGAATTTGAGG
 AAAGGCGATCCCTTAGAAAAAGATCTGAGCTCAGCCAAGATGCTGAGCCAGCAGGCAGTCAAGAAACAAA
 AGATTCTGGCAGCCAGGAGGTGCTGTCTGAATTGAGAGTACTATCTCAGAAATTGAAGGAAAACCATCAG
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 AATAATCGCCCTGATGCCCTAAGGAGAAGAAAAAGAGGAGCAAATGATCGACCTACAGAACCTCCTAA
 CCACACAATCTCCCTCCGTGAAGTCTTTGGCAGTTCACCAATAGAGGAGCTGGAAGATGAAGAGGAGAG
 AAACCATAGGCAGATGATAAAGGAAGCTTTTGTGGGGATGATGTCATCAGAGATTTCTTGAAGAGAAG
 AGGGAAGCTGTGGAGGCGAGTAAGCCAAAGGACGTGGACCTGACACTACCTGGCTGGGGCGAGTGGGGTG
 GTGTGGGCCTAAAGCCCAGTGCCAAGAAAAGACGCCGTTTCTCATTAAAGCCCCTGAGGGTCTCCAAG
 AAAAGATAAGAATTTGCCAAATGTGATTATCAATGAGAAGCGCAACATCCACGCAGCTGCTCATCAGGTA
 CGAGTGCTTCCATATCCATTTACCCACCATTGGCAATTTGAAAGGACCATCCAGACCCCATAGGATCCA
 CATGGAACACCCAGAGGGCTTTCCAAAAGCTGACTACTCCAAGGTGTCACCAAGCCAGGCCATATCAT
 TAACCCCATAAAAGCAGAAGACGTGGGCTACCGGTCTTCTCAAGGTGCGACCTGTCTGTACACAGAGG
 AATCCAAAACGAATCACCACACGTCACAAAAAACAGCTGAAGAAATGCTCTGTAGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG228554 representing NM_001166221
 Red=Cloning site Green=Tags(s)

MTANRLAESLLALSQQEELADLPKDYLLSESEDEGNDGERKHQKLEAISSLDGKNRRKLAERSEASLK
 VSEFNVSESGEKLVLADLLEPVKTSSSLATVKKQLSRVKSCKTVELPLNKEEIERARTPLEQEIFNLL
 HKNKQPVTDPLLTPVEKASLRAMSLEEKMRRAELQARALQSYEAKARREKKIKSKKYHKVVKKGKAK
 KALKEFEQLRKVNPAALAELEKIEKARMMERMSLKHQNSGKWAKSKAIMAKYDLEARQAMQEQLSKNKE
 LTQKLQVASEEEEEGGTEDVEELLVPDVVNEVQMNADGPNPWMLRSCTSDTKEAATQEDPEQLPELEAH
 GVSESEGEERPVAEEEEILLREFEERRSLRKRSELSDAEPAGSQETKDSGSQEVLSLRVLSQKLKENHQ
 SRKQKASSEGTIPQVQREEPAPEEEEPLLLQRPERVQTLLEEELGKEECFQNKELPRPVLEGGQQSERTP
 NNRPDAPKEKKKKEQMIDLQNLTTQSPSVKSLAVPTIEELEDEEERNHRQMIKEAFAGDDVIRDFLKEK
 REAVEASKPKDVDLTLPGWGEWGGVGLKPSAKRRRFLIKAPEGPPRKDKNLPNVIINEKRNIHAAAHQV
 RVLPPYPTHHWQFERTIQTPIGSTWNTQRAFQKLTPKVVTKPGHIINPIKAEDVGYRSSRSDLSVIQR
 NPKRITTRHKQLKKCSVD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001166221

ORF Size: 2157 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.

RefSeq: [NM_001166221.1](#), [NP_001159693.1](#)

RefSeq Size: 2421 bp

RefSeq ORF: 2160 bp

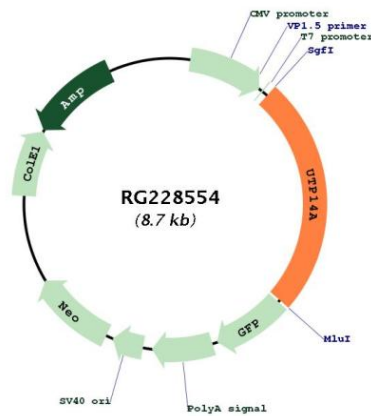
Locus ID: 10813

UniProt ID: [Q9BVI6](#)

Cytogenetics: Xq26.1

Gene Summary: This gene encodes a member of the uridine triphosphate 14 family. As an essential component of a large ribonucleoprotein complex bound to the U3 small nucleolar RNA, the encoded protein is involved in ribosome biogenesis and 18S rRNA synthesis. An autosomal retrotransposed copy of this X-linked gene exists on chromosome 13. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Oct 2009]

Product images:



Circular map for RG228554