

Product datasheet for **RC228554**

UTP14A (NM_001166221) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UTP14A (NM_001166221) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UTP14A
Synonyms:	dj537K23.3; NYCO16; SDCCAG16; Utp14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC228554 representing NM_001166221
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACTGCGAACCGGCTTGCAGAGACCTTCTGGCTTTGAGCCAACAGGAAGAAGCTAGCGGATTTGCCAA
AAGACTACCTCTTGAGTGAGAGTGAAGATGAGGGGGACAATGATGGAGAGAGAAAGCATCAAAGCTTCT
GGAAGCAATCAGTTCCCTTGATGAAAAGAATAGGCGGAAATTGGCTGAGAGGCTGAGGCTAGTCTGAAG
GTGTCAGAGTTCAATGTCAAGTCTGAAGGATCAGGAGAAAAGCTGGTCTTGCAGATCTGCTTGAGCCTG
TAAAACCTCATCTTCTTTGGCCACTGTGAAAAAGCAACTGAGTAGAGTCAAATCAAAGAAGACAGTGGA
GTTACCTCTGAACAAAGAAGAGATTGAACGGGCAAGAACTCCCTGGAGCAGGAAATTTTCAACCTCCTC
CATAAGAACAAGCAGCCAGTGACAGACCCTTTACTGACCCTGTGAAAAGGCCTCTCTCCGAGCCATGA
GCCTAGAAGAGGCAAGATGCGACGAGCAGAGCTTCAAGGGCTCGGGCTCTGCAGTCTACTATGAGGC
CAAGGCTCGAAGAGAGAAGAAAATCAAAGTAAAAGTATCACAAGTCTGAAGAAAGGAAAGGCCAAG
AAAGCCCTAAAAGAGTTTGAAGCAGCTGCGGAAGGTTAATCCAGCTGCAGCACTAGAAGAAGCTGAAAAA
TTGAAAAGGCCAGAATGATGAAAAGAATGAGCCTTAAGCACAAAACAGTGGGAAATGGGCCAAGTCAAA
GGCAATTATGGCCAAATATGACCTGGAGGCTCGCCAAGCTATGCAGGAACAGTTGTCTAAGAACAAGAA
CTGACACAGAACTCCAGGTAGCCTCTGAGAGTGAGGAAGAGGAGGGAGGCACAGAAGATGTGGAAGAAC
TCCTTGTCCCTGATGTAGTGAATGAAGTGCAGATGAATGCAGATGGGCCGAATCCCTGGATGCTCAGGAG
CTGCACCAGTGACACAAAGAGGCTGCAACCCAGGAGGACCCTGAGCAACTGCCAGAGCTTGAGGCCAT
GGAGTTTCTGAAAGTGAGGGAGAAGAAAGACCAGTGGCAGAAGAAGAAAATTTTGTGAGAGAATTTGAGG
AAAGCCGATCCCTTAGAAAAAGATCTGAGCTCAGCCAAGATGCTGAGCCAGCAGGCAAGAAACAAA
AGATTCTGGCAGCCAGGAGGTGCTGTCTGAATTGAGAGTACTATCTCAGAAATTGAAGGAAAACCATCAG
TCCAGGAAGCAAAAAGCAAGTTCAGAGGGGACTATTCCCCAGGTCAGAGAGAGGAACTGCCCCAGAAG
AAGAGGAGCCCTGTTGCTACAGAGACCAGAGAGGTACAGACGCTGGAAGAGCTAGAAGAGCTGGGAAA
AGAAGAATGTTTTCAAAAATAGGAGCTTCCAGACCTGTGTTAGAAGGGCAGCAGTCAAGAGGACCCCA
AATAATCGCCCTGATGCCCTAAGGAGAAGAAAAAGAGGAGCAATGATCGACCTACAGAACCTCCTAA
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AAACCATAGGCAGATGATAAAGGAAGCTTTTGGTGGGGATGATGTCATCAGAGATTTCTTGAAGAGAAG
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GTGTGGGCCTAAAGCCCAGTGCCAAGAAAAGACGCCGGTTTCTCATTAAAGCCCTGAGGGTCTCCAAG
AAAAGATAAGAATTTGCCAAATGTGATTATCAATGAGAAGCGCAACATCCACGCAGCTGCTCATCAGGTA
CGAGTGCTTCCATATCCATTTACCCACCATTGGCAATTTGAAAGGACCATCCAGACCCCATAGGATCCA
CATGGAACACCCAGAGGGCTTTCCAAAAGCTGACTACTCCAAGGTCGTCAACAAGCCAGGCCATATCAT
TAACCCATAAAAAGCAGAAGACGTGGGCTACCGGTCTTCTCAAGGTCGGACCTGTCTGTACATACAGAGG
AATCCAAAACGAATCACACACGTCACAAAAACAGCTGAAGAAATGCTCTGTAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228554 representing NM_001166221
 Red=Cloning site Green=Tags(s)

MTANRLAESLLALSQQEELADLPKDYLLSESEDEGNDGERKHQKLEAIISSLDGKNRRKLAERSEASLK
 VSEFNVSSEGSGEKLVADLLEPVKTSSSLATVKKQLSRVKSCKTVELPLNKEEIERARTPLEQEIFNLL
 HKNKQPVTDPDLLTPVEKASLRAMSLEEAKMRRRAELQRARALQSYEAKARREKKIKSKKYHKVVKKGKAK
 KALKEFEQLRKVNPAALALEELEKIEKARMMERMSLKHQNSGKWAKSKAIMAKYDLEARQAMQEQLSKNKE
 LTQKLQVASESEEEEGGTEDVEELLVPDVVNEVQMNADGPNPWMLRSDTKEAATQEDPEQLPELEAH
 GVSESEGEERPVAEEEEILLREFEERRSLRKRSELSDAEPAGSQETKDSGSQEVLSLRVLSQKLENHQ
 SRKQKASSEGTIPQVQREEPAPEEEEEPLLLQRPERVQTLLEELEELGKEECFQNKELPRPVLEGQQSERTP
 NNRPDAPKEKKKKEQMIDLQNLTTQSPSVKSLAVPTIEELEDEEEERNHRQMIKEAFAGDDVIRDFLKEK
 REAVEASKPKDVDLTLPGWGEWGGVGLKPSAKKRRRFLIKAPEGPPRKDKNLPNVIINEKRNIAHAAHQV
 RVLPPYFTHHWQFERTIQTPIGSTWNTQRAFQKLTTPKVVTKPGHIINPKAEDVGYRSSSRSDLSVIQR
 NPKRITTRHKKQLKKCSVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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 ORF: 2160 bp

Locus ID: 10813

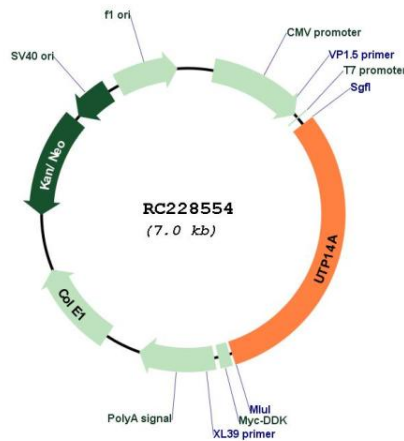
UniProt ID: [Q9BVI6](#)

Cytogenetics: Xq26.1

MW: 81.8 kDa

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 RC228554