

Product datasheet for **RC203280**

UTP23 (NM_032334) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UTP23 (NM_032334) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UTP23
Synonyms:	C8orf53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203280 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGATCACAAGGCAGAAACATGCCAAGAAGCATCTTGGCTTCTCCGCAACAACCTCGGAGTCCGCG
AGCCGTACCAGATCCTGCTGGACGGCACCTTGTGTCAGGCGCGCTGCGGGCCGCATCCAGCTGCGGGA
GCAGCTGCCCCGCTACCTCATGGGGGAGACGCAGCTGTGCACCACAAGATGTGTGTTAAAAGAGCTAGAA
ACATTGGGAAAGGACTTATATGGGGCAAACCTGATTGCACAAAAATGCCAAGTTCGAAATGTCCTCATT
TCAAGAATGCAGTGAGTGGATCAGAATGTCTGCTTCCATGGTTGAAGAGGGAAATCCTCATCATTATT
TGTGGCAACACAGGATCAGAATTTGTCTGTGAAAGTAAAAAGAAGCCTGGAGTTCCTCATGTTTATT
ATTCAGAACACTATGGTTTTGGACAAACCTTCTCCAAAAACAATTGCCTTTGAAAAGCAGTGGAGTCAG
GTCAGCTTGTCTCAGTGCATGAGAAAGAAAAGTACAAACATCTCAAAGAGGAACAGGGTTTAGTGAAAAA
CACTGAACAGAGTAGAAGAAAAAGCGCAAGAAAATAAGTGGTCCCAATCCTCTTAGTTGTTGAAGAAA
AAGAAAAAGGCACCGGACACACAATCATCTGCTTCTGAAAAGAGAAGAAAAAGAAAAGAAATTCGGAACA
GATCTAACCCAAAAGTACTTTCTGAGAAGCAGAATGCAGAAGGAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203280 protein sequence
 Red=Cloning site Green=Tags(s)

MK I T R Q K H A K K H L G F F R N N F G V R E P Y Q I L L D G T F C Q A A L R G R I Q L R E Q L P R Y L M G E T Q L C T T R C V L K E L E
 T L G K D L Y G A K L I A Q K C Q V R N C P H F K N A V S G S E C L L S M V E E G N P H H Y F V A T Q D Q N L S V K V K K K P G V P L M F I
 I Q N T M V L D K P S P K T I A F V K A V E S G Q L V S V H E K E S I K H L K E E Q G L V K N T E Q S R R R K R K K I S G P N P L S C L K K
 K K K A P D T Q S S A S E K R R R K R I R N R S N P K V L S E K Q N A E G E

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6416_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032334

ORF Size: 747 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032334.1](#), [NP_115710.1](#)

RefSeq Size: 3693 bp

RefSeq ORF: 750 bp

Locus ID: 84294

UniProt ID: [Q9BRU9](#)

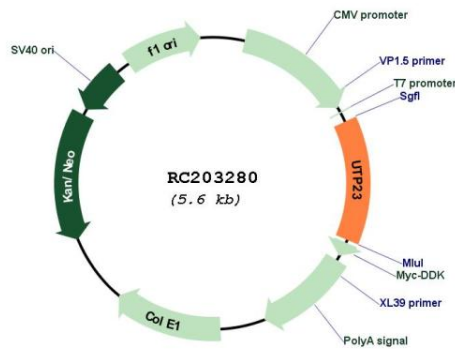
Cytogenetics: 8q24.11

Domains: DUF652

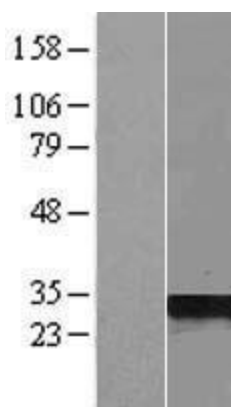
MW: 28.4 kDa

Gene Summary: Involved in rRNA-processing and ribosome biogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC203280



Western blot validation of overexpression lysate (Cat# [LY410157]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203280 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).