

Product datasheet for **MR218663**

Utp18 (NM_001013375) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Utp18 (NM_001013375) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Utp18
Synonyms:	6230425C22Rik; 6430513M13; Wdr50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218663 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCGCCGAACGCAAGAGCCGGACGAGACGAGACCGGAGACCGGCGCAACGCCGGGGAGGAAAGCCA
 GACCCGGGAGCGGCAGCACGCCCGCAAAGGCCGCCGTTTCATCCCAACGGACACAGCCGGCCGAGCCGAG
 GGCGGCCCTAGCGCGGGATCCGCGGCGCGCGGCGAGAGGAGGAGAGCCGGCTCCGGCAGCGGAAC
 CGCCTGACGCTAGAGGACGATAAGCCGGCCGCCGAGCGTTGCCTGGAGCAGCTCGTCTTCGGCGATGTCTG
 AGGACGACGAGGACGCGCTGCTGCAGCGCTGCGGAGCTCGCGGGTTCAGCTACATGGAAGCTCAGATGA
 ATCGGAAGTGAAAAAAGCAAAAGACATTTTTTCTCAGAAGAAGAAGCAGCCAGTTGGTGGATGAA
 GATGATGAAGATGAGGAAATAGTTGACATGTGCAACAATCGGTTTCGAAAGATAAATGAAAAATGCCA
 GTGAAAGTAACTTTCAAAGATAAACTTCAAAGAGACTTAAAGAAGAATCCAGCATGCCATGGGAGG
 AGTACCTGATTGGGCGAAGCTGGGAGCAAGCGGAGGACATCTTCAGATGATGAAAGTGAAGAGGATGAA
 GATGATTTGTTGCAAAGGACTGGGAATTCATCTCCACATCCACGTCTCTTCCAAGAGGAATCTTGAAGA
 TGAAGAACTGCCGGCCTGCCAATGCTGAACGGCAACCACTGCTCGGATCTCGTCACTGAGTCCATCC
 TGGTGCACAGGTGGTGTGGTCTCTGGGTAGATAATGCTATCTCCCTCTTTCAGGTTGATGGCAAAACA
 AACCTAAAATCCAGAGCATCTATTTGGAGAAGTTTCAAATCTTAAAGCTTGTTCAGTGTAAATGGAG
 AAGAGGTTTTAGCCACAAGTATGCACAGCAAGGTTCTTTATGCTATGATATGCTAGCTGGGAAGTTAAT
 TCCTGTACATCAAGTGAGAGGTTTGAAGAGAAAAACAGTGAAGCAGTTTGAAGTCTCCCAAGATGGATCC
 TTCTTGTCTATAAGCGGCATTGCAGGTTTTCTCACTTGTATCGATGAAGACAAAAGAAGTCAATGATG
 GCATGAAGATTAATGGACGAATTGCGGCATCCACATTCTTTCAGATGTAAGAGGATATATACATTC
 TGAGAATGGAGAAGTTTATGTGTGGGATGTGAATTCGAAGGAAGTGCATGAACAGATTTCTTGTGAAGGC
 AGTTTATGTGGATTGAGCATTGCTGCATCAAAGAATGGACAGTATGTGGCTTGTGTTCTAAGAGTGGAG
 TGGTAAACATATAACAATCAAGATTCTGCTCCAGCAAACAAACCCAAAGCCAATAAAGCAATAATGAA
 TCTGGTACTGGTGTACTTCTTGGCCTTAACTCCTACCACAGAAATCTTGGCAGTGGCTCAAGAAAA
 ATGAAAGAAGCTGTCAGATTGGTTCATCTTCTTCTGTACAGTATTTCTAACTTTCCAGTTTTTAAAA
 AGAGTACTCTTCTCGTGTCAAACCATGGATTTTTCTCCAGAGGTGGATACTTTGCTTAGGGAATGA
 AAAGGCGAGGCCCTGATGTATAGGTTGCATCATTACTCAGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218663 protein sequence
 Red=Cloning site Green=Tags(s)

MPPERKSRRRDRRAGATPGRKARPGSGSTPAKAARSSQRTQPAEPRAAPSAGSAAAAEEEEESRLRQRN
 RLTLLEDDKPAERCLEQLVFGDVEDDEDALLQRLRSSRQLHGSSDESEVENEAKDIFSQKKKQPWWVDE
 DDEDEEIVDMSNNRFRKDIMKNASESKLSKDKLQKRLKEEFQHAMGGVPDWAEGSKRRTSSDDESEEDE
 DDLLQRTGNFISTSTSLPRGILKMKNCRPANAERPPTARISSVQFHPGAQVVMVSGVDNAISLFQVDGKT
 NPKIQSIYLEKFPFKACFSANGEEVLATSMHVKLVYVDMLAGKLIQVHQVRLKEKTVKQFEVSPDGS
 FLLISGIAGFSHLLSMKTKELIGSMKINGRIAASTFSSDKRIYTYSENGEVYVWDVNSRCKMNRFLDEG
 SLCGLSIAASKNGQYVACGSKSGVNIYNQDSCLLQQTNPKPIKAIMNLVTGVTSLAFNPTEILAVASRK
 MKEAVRLVHLPSTVFSNFPVFKKSTLSRVQTMDFSPRGGYFALGNEKGRALMYRLHHYSDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001013375

ORF Size: 1659 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_001013375.1](#), [NP_001013393.1](#)

RefSeq Size: 2613 bp

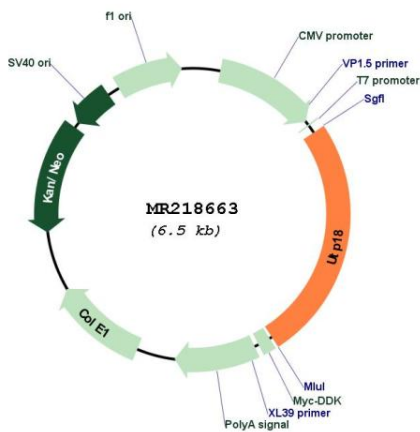
RefSeq ORF: 1659 bp

Locus ID: 217109

UniProt ID: [Q5SSI6](#)

Cytogenetics: 11 D
MW: 61.2 kDa
Gene Summary: Involved in nucleolar processing of pre-18S ribosomal RNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218663