

Product datasheet for **MR209275**

Utp6 (NM_144826) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Utp6
Synonyms:	4732497O03Rik; HCA66
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR209275 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGAGATAATTCAGGAACGTATAGAAGATCGAATCCCGAGTTGGAACAGCTGGAGCGCATCGGAC
 TCTTCAGTCACGCGGAGATTAAGGCTATCATCAAGAAGGCTTCCGACCTAGAATACAAAATACATCGGAG
 AACCTTCTCAAGGAAGACTTTATCAACTATGTTCAATATGAAATTAATCTTTTGGAGCTGATCCAGAGA
 AGAAGAGCAAGAATTAATATTCATTTAAGAAGGATGAGATTGAATATTCTATGGTACATCGGGTCCAGG
 GTGTCTTTGGTCGTGCTTCAGCGAAGTGGAAAGATGATGTTTCTGCTGCTGCTCTCTATATAGTTTTCTG
 TAAGAAATGGGGCACCAAACTCACTTAGCAAGATATTCTCTGCCATGCTTGCCATTCACTCAAAACAAG
 CCAGCTTTGTGGATCATGGCAGCCAAATGGGAAATGGAAGACCGCTTGTCTTCAGAAAGTGCAGGCAGT
 TATTTCTCGAGCTCTACGCTTTCATCCCGAGTGTCCAAGCTCTATCAAGAATACTTTAGGATGGAGCT
 GATGCATGCTGAGAACTGAGAAAGGAGAAGCAAGAATTTGAAAAAGCCCATGGACATGGGGGATTTT
 GATCATCTGAAGAAATCCTTAAAGGCGAGTTGGCAGCGATCATTTATAAAAAATCTATAAGCAAGATTA
 AAGGTGCAGAAATCCATGTGTCACTTCTTGCTATTGCTCAGCTATTTGATTTTGCCAAAGATCTACAGAA
 GGAAATTTATGATGACCTTCAAGCTCTGCACACCGATGACCACTCACTTGGGATTATGTGGCGCGGCGA
 GAATTAGAGATCGAGTCCCAACAGGTGAAGAACAGCTGTGTCGAAACAAGCCAAAGCAGTGGAATGG
 GCCGAAGGGAAGAGAGGTGCTGCGCGGTGTATGAGGAGGCAGTGAAGGCCCTGCCTACAGAGGCCATGTG
 GAAGTGTACATCACCTTTTGTGGAGAGGTTTCTAAGAAGACCAAGTGTGCCCCCTCAGAGGGCAG
 AGGCTGGAAGAACCATGCTTGCATTCAGGAAGGCCCATGAACTGAAGCTGCTTTCTGAAGTCCAGTACA
 AGCAGTGGATTGACTTGTGCTGCGCCAGGACCTCTTCAAAGAAGCACTGCAGGTGGCAGAGGCTGGGAC
 CGAATTGTTCAAGGACTCTGTAACAATGTGGCAGACGAAGCTCCAGGTGCTCATTGACTCAAAGAGCCCCG
 GATGTAGAGATGCGCTTTGAGGAAGCCTTTCACACCTCAAACCCAGGTTTGTCTGCCCTTGTGGATTT
 CTTGGGCAGAGTGGAGTGAAAGTGTAAAAGCCAGGAGGACACGGAAGCCATCTTTAAGAAAGCTATTAT
 AGCTGTACAGGTGCCAGTTCAGTAACCTGAAGGAGAAATACCTGGATTGGGCCTATCGGAGTGGAGGC
 TACAAAAAGGCCAGAGCAGTGTAAAAGTTTACAGGAAAGCCGTCCATTTTCGGTTGAGTTTTTCAGGA
 AAATGATGCAGTTTGAAGAGGAGCAGGAACCTGCAAGATGGTAAACCTGAGGGAGTATTACGAGAGGGC
 GCTGAGAGAGTTTGGGACTTCAGATTCTGATCTTTGGATGGATTACATCAAGGAAGAATTGAACCATCCC
 TTCGGTAAACCTGAGAACTGCGGACAGATCTATTGGCGAGCCATGAAAATGTTGCAGGGACAGTCAGCAG
 AGCTGTTTGTAGCTAAACACGCCATGCACCAGGCTGGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209275 protein sequence
 Red=Cloning site Green=Tags(s)

MAEIIQERIEDRIPELEQLERIGLFSHAEIKAIKKASDLEYKIHRRLLKEDFINYVQYEINLLELIQR
 RRARIKYSFKKDEIEYSMVHRVQGVFGRASAKWKDDVQLWLSYIVFCKWGTKTHLSKIFSAMLAIHSNK
 PALWIMAAKWEMEDRLSSESARQLFLRALRFHPECPLKYQEYFRMELMHAELRKEKQEFKAAMDMDGF
 DHPEEILKGELARIYKNSISKIGAEFHVSLLAIAQLFDFAKDLQKEIYDDLQALHTDDPLTWDYVARR
 ELEIESQPGEQPVSKQAKAVEMGRREERCCAVYEEAVKALPTEAMWKCYITFCLERFSSKTSVPLRGQ
 RLERTMLAFRKAHELKLLSEVYKQWIDLRLRQDLFKEALQVAEAGTELFDKSVTMWQTKLQVLIDSKSP
 DVEMRFEEAFHLKPQVCLPLWISWAEWSESAKSQEDTEAIFKKAIIVTGAASSVTLEKYLDWAYRSGG
 YKKARAVFKSLQSRPFSVEFFRMMQFEKEQEPCKMVNLREYYERALREFGTSDDLWMDYIKEELNHP
 FGKPCNCGQIYWRAMKMLQGQSAELFVAKHAMHQAGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144826

ORF Size: 1791 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:

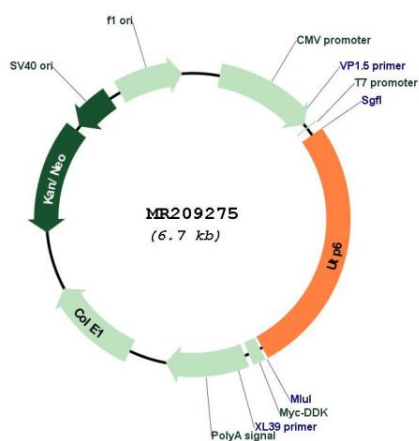
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_144826.3](#)

RefSeq Size:	3871 bp
RefSeq ORF:	1794 bp
Locus ID:	216987
UniProt ID:	Q8VCY6
Cytogenetics:	11 47.29 cM
MW:	70.4 kDa
Gene Summary:	Involved in nucleolar processing of pre-18S ribosomal RNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209275