

## Product datasheet for **RN217793**

### Utp20 (NM\_001191779) Rat Untagged Clone

#### Product data:

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                |
| Product Name:             | Utp20 (NM_001191779) Rat Untagged Clone                                            |
| Tag:                      | Tag Free                                                                           |
| Symbol:                   | Utp20                                                                              |
| Synonyms:                 | RGD1560606                                                                         |
| Mammalian Cell Selection: | Neomycin                                                                           |
| Vector:                   | pCMV6-Entry (PS100001)                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                               |
| Fully Sequenced ORF:      | >RN217793 representing NM_001191779<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAAGCCAAAGCCAGTTTCCACAAGACCGAGAACACATACCGGTTTCTTACATTTGCTGAAAGGCTGG  
GCAATGTGAACATTGATATTATTCACCGTATTGACAGAACCGCAAGCTATGATGAGGACGTGAAACTTA  
CTTCTTCGAGGCTCTGCTGAAGTGGAGAGAGCTGAACCTCACAGAGCATTTCGAAAATTTTATAAAGAA  
GTCATTGACAAATGTCAGTCTTCAACCAAGTTGGTCTATCATCAAATGAAATTGTTGAGAGCTTGAAGA  
CTCACCTGCAGATTAGGAACAGTTTGCCTACCAACCTCTTTGGATTTAGTAGTTGAGTTGGCAGCAGAGA  
TCTGCAGACTGATTTCTATCCCCACTTTGAAGACTTCTTCCTGACAATCACGTCCATCCTGGAGACTCAG  
GACACAGAACTGTTAGAATGGGCTTTCACCTCGCTCTCGTATCTTTACAAGTACCTGTGGAGACTGATGG  
TGAAGGACATTTCCAAGATATACAGCCTGTATAGCACCTCTTGGCTCATAAAAAAGTGCATATAAGAAA  
TTTTGCTGCTGAAAGTTTACTTTCTTGATGAGAAAGTCTCTGATAAAATGCACTTTTCAATTTAATG  
TTCCTTGATCTTAACGAACATCCAGAAAAAGTGAAGGAGTTGGACAGCTGCTCTTTGAAATGTGCAAAAG  
GAGTCAGAAATATGTTTCATTCTGCACAGGCCAGGCACTGAAGCTCATTTTGCAGAAGCTAGGACCACT  
TACGGAACAGAAACCAACTTCCATGGATCTTAGTTGGAGAAACCTAAAAACATGGCCAAATCCACT  
GTAGTGTATATCCATAAGGAACACTTGGGTGTGTTTTTGAAGTGTGTCAGGAGTCACTCTTGGAGCTGC  
ACAACAAAGTGACAAAAGCAAACTGCTCTGAAAACCTCTGACCAGATGAGGCGCTTGTCTGGAACATTCTCT  
GATTGTCTGTGAACACGGAAGTGGGTCTAAAGTAGCACAGCCTGCTGACATTTGTGGGGTATTGTTGGAA  
GCATTACAGACAGCCATCTTTCCACATCTTGCCGAAGACTCTCTTGATGTAGTTTCTGCCTTGCTCC  
TGGTTGAAATGTTTCTTGCCAGAGGCCCTCATCGAAGAAACCATAGAAAAGTCTTTGAAAGCAAATT  
TGAGAGACGTTTGATTTTGGATTTTCTGAAGTCATGTTTGCTATGAAGCAGTTTGAGCAGCTGTTTCTA  
CCGAGCTTTCTCTATACATTGAGAATTGCTTCTTGATGGACGACTCTGTGGCCAGCGATGAAGCACTGG  
CCATTTTAGCCAAGCTCATTCTGAACAAAGCTGCTCTCCCACTGCCGGCTCCATGGCCATTGAAAGATA  
CCCTCTGGTCTTCTCACAGCAGACCGTGGGATCCTACTTAAAGCAGAGGAAGGCCGAGTCGAAGAGAAGA



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AAAGGACAGTTCCTCCGTCTTAGACCATCTCTCATCCATAGTTCAGTCACCCCCAAATAACGATGCCGCAT  
CCCTTTACAGCTCTGGGAGCCCTTGTGGTATTACCTCATCTCAGGCCACTTGACAAAGAGAAGACGAT  
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TTCCTGTGGAACGGGTGAAGCACTTAGTGTTAACATTTCCAGCGGAGCCGTCTGTTTTGCTGCTGGCCGA  
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TGACATCCTGGTGACCGTGCAAGCTTGTACAGCACTGTCTGGATCCCTCAGACTTCTCAGACCTCTG  
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CTGATTGTGAAAGTGGAATAAATATATTACAGATATTGTAAAGCTTAATGCCTTTGATAAAGACATCT  
CGATGACATCAACTTTGACGTCCGATTCTCAGCCTTCCAGACCATCACCTCCACATAAAGGCAATGCAG  
ACGGTGGATGTGGACTACCTCGTCGCTGTGATGCACAAGTGTCTATAATATGGAGATAGGAGACATGT  
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AGTTTGTCTGGTATCGTGTGGAAGCATTCCATTTTGACTACAAAACCTTGAAGAACAATGGGAAATG

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GGATGAGCAGGAGAAGGAACAAGCCTCTGAGAGGCTGTCAGACAGCAAGGAGCCATCGGGAGCCCCGGAA  
GCAGCTGCTTCTGAGGGGACAGCGGCTAAGGAACCAGAATGCATCTCCAAGTCTGTCTCTTTCTTCCTC  
GGAATAAGGAGGAGTTGGAAAGAACAATTAACCACATCCAGGGAGCCATAACTGGAGACATCCTCCCCAG  
GCTGCATAAGTGCCTCGCAGCTGCGACTAAGAGAGAAGAAGAGCACAAGTGGTCAAGTCGAAGGTCGTG  
AATGACGAGGAAGTGGTCCGAGTGCCCTGGCCTTTGCCATGGTGAAGCTGATGCGGTCCCTTCCACGGG  
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CATTGCTGCAAGGCCTCTCCAGCAAGCTGCACGTTGGGAGTTAGATTCTGTCTTCAAATAATGACTGA  
GATTTTTAACCATGAATTGTTCCGTGCGCTTGCCGAAGAAAAGGAAGTGAAGCAGATTCTGTCCAAAGTT  
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TTACGAAACTTATTCTTCCCTTAAAGAGATCCTACAAAATACCACAAGCTTAAACTTGCCCGGAAAGT  
TCATGAAACCTTACGCCGAATTATAGCAGGTTAATTGTGAATCCAGACATGACGGCTGATGCTCTTCTA  
CTGCTCAGTTACGGTTTGGTCAGTGAAATCTGCCACTGCTAACAGAAAAGGAAAAAAGCCAGCAGCCC  
CTGTGCCTGACGCTCGACTGCCACCCAGAGCTGCCTTCTGCTCCCTGCAACTCCGGTTCGAGGTGGAGC  
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AGTTTGAAGACATCCAAGATCAAGTCTCTAGTGAGCGTGTGCTGGAATGTTGGATCCTTTTGTGTCTG  
TCCTCATCAACTGCCTGGGTGCCAGGATGTGAAGGTGATCACGGGTGCTCTGCAGTGCCTGATCTGGGT  
CTTGCGGTTCCCTCTGCCTTCCATAGCAACCAAGCAGACCAGCTGACGAAACACCTTTTCTCTTGCTG  
AAGAACTATGCAAGACTGGGGGCTGCCGGGGCCAGAATTCCACCTGGTCGTGAATTGTTTCAAGTGTG  
TTACCATCGTTGTAAAGAAAGTCAAGTCTCACCAGATAACTGAGAAACAGCTTCAGGTTCTCCTGGCTTA  
TGCTGAAGAAGACATTTATGATACTTCAAGACAAGCCACTGCGTTTGGTCTTCTGAAGGCTATTTTATCA  
AGAAAATTGTTGGTCCCAGAAATTGATGATGTCTATGCGGAAAGTATCCAAGCTGGCGATTCTCGCCAGA  
GCGAGCCTGCCAGGTTCCAGTGCAGACAGGTTTCTGAAGTACATCCTTGACTATCCCCTCGGTGAGAA  
ACTGAGACCAAACCTGGAATTTATGCTGGCTCAGCTGAGTTATGAACATGAGACGGGAAGAGAATCCACT  
TTAGAAATGATCGCTATCTGTTTGAGACCTTCCCTCAGGGACTCCTCCATGACTACTGCGGGATGTTCT  
TCATTCTCTCTGCCTAATGATGATCAACGATGACTCTGCCATGTGCAAAAGGATGGCGTCCATGGCAGT  
CAAGTCCTTACTCAGCAAGGTGACCGTGAGAAGAAAGACTGGCTGTTTGCTCTGGTTACCTCCTGGTTT  
GAAGCAAAGAAGCGATTAAATAGGCAACTTGCTGCCCTGGCTGTGGTTTATTTGTGAAAGTGAAGGAG  
TTGACTTTGAGAGAAGGCTTGAACTCTTCTTCTGTGATTGAAAAGGAAATTGATCCTGAAAGTTTAA  
AGATATCATAGAGGAGACGGAAGAAAAGGCTGCCGATCGCTGCTGTTCCGTTTTCTCACCTGATAAGT  
AAACTCATCAAGGAATGTAATATTCTTCACTTTACCAAGCCCTCTGAGACTTTGAGTAAATCTGGAGTC  
ATGTGCATTCTCACCTCAGACATCCACACAGCTGGGTGTGGCTCACGGCAGCCCAGATTTTTGGATTGCT  
CTTTGCCCTCTTGCCAACCAGAAGAGCTCATTCAAAAATGGAAAGGCAAAAAGGCCAAAAAGAACCTCA  
GACCCTGTAGCAGTCAAGTTCCTAACAAGTGACCTTGACCAGAAGATGAAGAGTTTCTCTGGCTTCGT  
GCCATCAACTGCATTCCAGGTTCTTAGATGCGTCCCTAGGAGAGCAGGTTGTTAAGAACTTACTGTTTAT  
AGCAAAAGTCTTATATTTACTGGAACCTGATTCTGAGAACAAAGCAAGAAAGGTTAAAGACTCGGAAGAA  
CAGGACACGTTAGGAGATGCTCTGGCCAGAGAGCGGCGAGAAGAGAAGGCTGCTGCAGATGGGAAGACGG  
AGTCCAGCAGAGAAGAGAAGAAAGAGCCAGCAAGCCAGCCACATTGATGTGGTGATCCAGAAGCTGTC  
CCGAATGGCTAAGCTGGAAGCTGCCTATTACCCAGAAACCCCTTAAAGAGAACCTGCATCTTTAAGTTC  
CTCGGTGCGGTGGCCGTGGATCTTGGGTAGACCGGTGAAGCCCTATCTCCAGTGATCATCGTCCCC  
TGTTTCGAGAACTCAACAGCACCTATTAGAGCAAGATCCTGTGCTGAAGAATTTATCCAGGAAATCAT  
AGAATTACTCAAAAAGCTGGTTGGACTGGAGAGCTTCTCATTAGCCTTTGCCTCTGTCCAGAAACAGGCT  
AGTGAAAAGCGGGCGCTCCGGAAGAAGAGGAAGGCCCTGGAGTTTGTAAACCAATCCTGACATTGCCGCCA  
AGAAGAAGTTGAAGAAACATAAAAAATAAAGTGAAGCAAAGAAGAGAAGATAGAGTTCTGCGGCCCGG  
CTACAAGGCCAAGAGACAAAAGTCCACAGCCTCCGAGACTTAGCAATGGTGGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ACCN:</b>                  | NM_001191779                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Insert Size:</b>           | 8388 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                          |
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u>NM_001191779.1, NP_001178708.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 8736 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 8388 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 314713                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>          | 7q13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |