

## Product datasheet for **RN213982**

### Usf1 (NM\_031777) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Usf1 (NM\_031777) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Usf1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN213982 representing NM\_031777  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAAGGGGCAGCAGAAAACAGCCGAAACCGAAGAGGGGACAGTGCAGATTCAGGAAGTGCAGTGGCTA  
CTGGAGAGGACCACTAGTGTAGCTATCGCCAGCATCCAATCAGCTGCCACTTTCCCGACCCCAACGT  
CAAGTACGTCTTCCGAACTGAGAAATGGGGCCAGGTGATGTACAGGGTATCCAGGTGCTGAGGGGCAG  
CTGGATGGCCAGACAGAGGGCTCTGGCGCTATCAGTGGCTACCCTGCCACTCAGTCTATGACTCAGGCAG  
TAATCCAGGGGGCTTTCACCACTGATGATGCTGTTGACGCGGAGGGAACAGCTGCCGAGACCCACTACAC  
TTACTTCCCAGCACCCGAGTGGGAGATGGGTCAGGGGTACGACATCTGGGAGTACAACCGCCGTGGTC  
ACCACCCAGGGCTCAGAGGCACTGCTGGGGCAGGCAACCCCGCCAGCACAGGCCAATTCTTTGTGATGA  
TGTACCACAAGAAGTGTACAGGGAGGGAGCCAGCGGTCAATTGCCCCAGGACCCACCCTTATCCCC  
GAAGTCAGAGGCTCCAGGACAACGCGAGATGAGAAACGGAGGGCTCAACATAACGAAGTGGAGCGCCGC  
CGCCGGGACAAGATCAACAACCTGGATTGTACAGCTGTCCAAAATCATCCAGACTGCTCTATGGAGAGCA  
CCAAGTCTGGCCAGAGTAAGGGTGAATCCTGTCCAAAGCCTGTGACTATATCCAGGAACACTCGTCAGAG  
CAACCACCGGCTGTCTGAAGAGCTGCAGGGTTAGATCAGTTGCAGCTCGACAATGACGTGCTTCGACAG  
CAGGTGGAAGATCTTAAAAACAAGAACCTGCTACTACGAGCTCAGTTACGGCACCACGGATTAGAGGTGC  
TCATCAAGAATGACAGCAACT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031777  
**Insert Size:** 933 bp



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<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>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><a href="#">NM_031777.2</a></u> , <u><a href="#">NP_113965.1</a></u>
<b>RefSeq Size:</b>	1720 bp
<b>RefSeq ORF:</b>	933 bp
<b>Locus ID:</b>	83586
<b>Cytogenetics:</b>	13q24
<b>Gene Summary:</b>	regulates the expression of matrix cytokine osteopontin (OPN); may play a role in cellular glucose metabolism [RGD, Feb 2006]