

## Product datasheet for RR201775

### Uxs1 (NM\_139336) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uxs1 (NM_139336) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uxs1
Synonyms:	UGD
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201775 representing NM_139336 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGTGAGCAAGGGGCTGCTGCGCCTTGTCTCTTCAGTCAACCGCAGGAAGATGAAGCTTCTGCTGGCA  
TCGCGCTGTTTCGCTACGCCCTCTGTTGGGCAACTTTGTTAACATGAGGTCTATCCAGGAAAATGG  
TGAACAAAGATTGAAAGCAAGACCGAAGAGATTATTGAACCTTAAGAGAGAAAATCAGAGATTTGGAA  
AAAAGTTTCACCCAGAAAATCCACCAGTAAAGTTTTTGTGAGAAAAGGACCGGAAGAGGATTTTGATCA  
CTGGAGGTGCGGGCTTTGTGGGCTCCCATCTAACTGACAACTCATGATGGATGGCCATGATGTTCCGT  
GGTGGACAACCTTCTCACAGGCAGGAAGAGAAATGTGGAACACTGGATTGGCCATGAGAAGTTCGAGCTG  
ATTAACCATGATGTGGTAGAGCCACTCTACATCGAAGTTGACCAGATCTACCATCTGGCTTCTCCAGCCT  
CCCCTCCAACTACATGTACAACCCATCAAGACCCTGAAGACAAATACAATTGGAACACTAAACATGTT  
GGGACTGGCAAAGCGTGTGGGTGCCCTGCTCCTAGCCTCCACATCTGAGGTATATGGAGATCCTGAG  
GTCCACCCTCAAAGTGAAGTACTGGGACGCTGAATCCCATAGGACCCGAGCCTGCTATGACGAGG  
GCAAACGTGTTGCGGAAACCATGTGCTATGCCTACATGAAGCAGGAAGGTGTGGAGTGGGGTGCCAG  
GATCTTCAACACCTTTGGGCCACGAATGCACATGAATGATGGGAGGGTGGTCAAGCACTTCACTTACAA  
GCGCTACAAGGGGAGCCGCTCACAGTATATGGATCTGGGTCTCAGACACGGGCATTCCAGTATGTTAGCG  
ATCTAGTGAATGGCCTGGTAGCACTGATGAACAGCAATGTGAGCAGCCCTGTCAACCTGGGAAAATCCAGA  
AGAACACACAATCCTGGAATTTGCTGAGTTAATTAACAACTTGTGGTAGTGAAGTGAATTCAGTTT  
CTCTCTGAAGCTCAGGATGATCCACAGAAAAGAAAACAGACATCAAAAAAGCAAACTGATGCTGGGGT  
GGGAGCCTGTGGTTCCATTGGAGGAAGGATTGAACAAAGCCATCCACTATTTCCGGAAGGAACTAGAGTA  
CCAGGCTAATAACCAGTACATCCCTAAACCAAGCCTGCCAGAGTGAAGAAGGGGCGACGCGCCACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201775 representing NM\_139336  
Red=Cloning site Green=Tags(s)

MVSKGLLRLLVSSVNRKMKLLLGIALFAYAASVWGNFVNMRSIQENGLKIESKTEEIIEPLREKIRDLE  
 KSFTQKYPPVKFLSEKDRKRLITGGAGFVGSHTDKLMMDGHDVSVVDNFFTGKRKNVEHWIGHENFEL  
 INHDVVEPLYIEVDQIYHLASASPNNYMNPIKTLKNTIGTLNMLGLAKRVGARLLLASTSEVYGDPE  
 VHPQSEDYWGHVNPIGPRACYDEGKRVAEATMCAAYMKQEGVEVRVARIFNTFGPRMHMNDGRVVSNFILQ  
 ALQGEPLTVYGSQSQTRAFQYVSDLVNGLVALMNSNVSPVNLGNPEEHTILEFAELIKNLVSGSEIQF  
 LSEAQDDPQKRKPDIKKAKMLGWEPVPLEEGLNKAIHYFRKELEYQANNQYIPKPKPARVKKGRTRHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

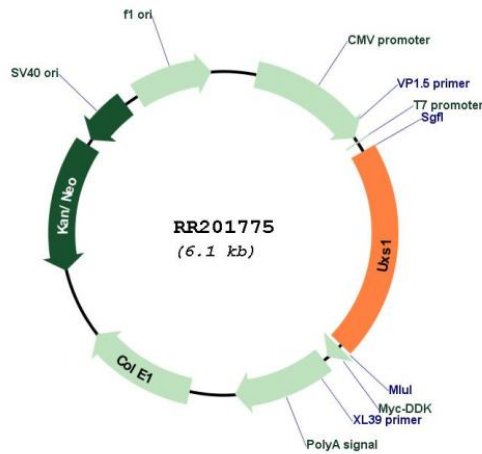
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_139336

<b>ORF Size:</b>	1260 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_139336.1</a> , <a href="#">NP_647552.1</a>
<b>RefSeq Size:</b>	2028 bp
<b>RefSeq ORF:</b>	1263 bp
<b>Locus ID:</b>	246232
<b>UniProt ID:</b>	<a href="#">Q5PQX0</a>
<b>Cytogenetics:</b>	9q12
<b>MW:</b>	47.5 kDa
<b>Gene Summary:</b>	enzyme that catalyzes the formation of UDP-xylose from UDP-glucuronate [RGD, Feb 2006]