

## Product datasheet for **RR216477**

### **Vsx2 (NM\_001169128) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Vsx2 (NM\_001169128) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Vsx2  
**Synonyms:** Chx10  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216477 representing NM\_001169128  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGGAAAGCGGGGAAGCGCTGAGCAAGCCTAAATCCGAGACAGTGGCCAAGGTACCTCGGGG  
GTGCCCCGGCCAGGTGCACAGGGTTCGGCATCCAGGAGATCCTAGGCTTGAACAAGGAGCCTCCCAGCTC  
CCACCCCGGGCTGCCCTGGACGGCCTGGCCCCGGGCATTTGTTAGCTGCGCGCTCTGTCTCAGCCCC  
GCAGGAGTGGGCAGCATGGGGCTGCTGGGGCCCGAGGGCTTCCCGGCTTCTACGCACAGCCACCTTCC  
TGGAAGTGCTGTCCGATCCGCAGAGCGTCCACTTGCAGCCACTAGGCAGAGCGTCCGGGGCCGCTGGACAC  
CAGCCAGACGGCCAGCTCCGATTCGGAAGATGTTTCTCCAGTGACCGAAAAATGTCCAAATCGGCTTTA  
AACCAGACCAAGAAACGTAAGAAGCGGCGACACAGGACAATCTTACTTCTACCAGCTAGAGGAGCTGG  
AGAAGGCATTCAATGAAGCCACTACCCAGATGTCTACGCCCGGGAGATGCTGGCCATGAAAACGGAGCT  
ACCAGAAGACAGGATACAGGTGTGGTCCAGAACCGCAGAGCCAAATGGAGGAAGAGGGAGAAGTGTGG  
GGCCGGAGCAGCGTCATGGCTGAGTACGGCCTCTATGGAGCCATGGTGGGCACTCCATCCCCCTGCCAG  
AGTCCATCCTCAAGTCGGCCAAGGACGGCATCATGGATTCTGCGCCCCTTGGCTACTGGGGATGCACAA  
AAAGTCGCTGGAGCAGCAGCCGAGTCCGGAAGGAAGCCCGAGGTGGAACGCCAGGTCTGCCCAAACCTC  
GACAAGATGGAGCAGGAGAAAGGGCCCCGGATGCTCAGGCAGCCATCTCCAGGAAGAACTGAGGGAGA  
ACAGCATTGCGGCCCTCCGAGCCAAAGCTCAGGAGCACAGCACCAGGTTCTGGGGACTGTATCCGGGCC  
TGACGGCCTAGCCAGGAATGCTGAGAAGCCAGAAGAGGAGGAAGCCATGGACGAAGACAGGCCAGCAGAG  
AAGCTCAGCCACCGCAGCTGGAGGACATGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR216477 representing NM\_001169128  
 Red=Cloning site Green=Tags(s)

MTGKAGEALSKPKSETVAKSTSGGAPARCTGFGIQEILGLNKEPPSSHRAALDGLAPGHLLAARSVLSP  
 AGVGSMLLGPGLPGFYAQPTFLEVLSDPQSVHLQPLGRASGPLDTSQTASSDSEDVSSSDRKMSKSAL  
 NQTKKRKRHRRTIFTSYQLEELEKAFNEAHYPDVYAREMLAMKTELPEMRIQVWFQNRRAKWRKREKCV  
 GRSSVMAEYGLYGAMVRHSIPLPESILKSAKDGIMDSCAPWLLGMHKSLEAAAESGRKPEVERQVLPKL  
 DKMEQEERAPDAQAAISQEELRENSIAALRAKAQEHSTKVLGTVSGPDGLARNAEKPEEEAMDEDRPAE  
 KLSPPQLEDMA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

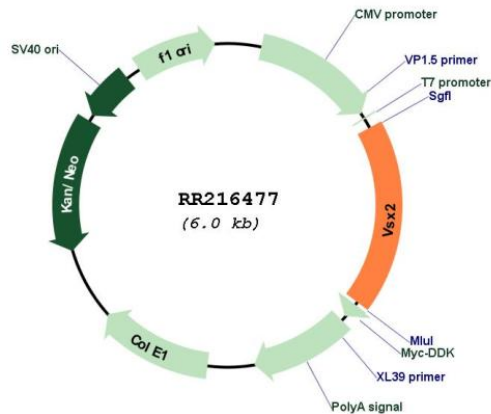
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001169128

<b>ORF Size:</b>	1083 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_001169128.3</a> , <a href="#">NP_001162599.1</a>
<b>RefSeq Size:</b>	3109 bp
<b>RefSeq ORF:</b>	1086 bp
<b>Locus ID:</b>	171360
<b>Cytogenetics:</b>	6q31
<b>MW:</b>	39.4 kDa
<b>Gene Summary:</b>	may be play a role in retinal progenitor cell proliferation [RGD, Feb 2006]