

## Product datasheet for **RR200095**

### **Axl (NM\_001013147) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Axl (NM_001013147) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Axl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR200095 representing NM\_001013147  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCAGGGTCCCCTGGCCTGGTGGCGTGGCGTGTGCTGCTGGGGGTGTGCAGCCCTAAGGACACAC  
 AGACCGAGGCTGACAGCCATTCTGGGGAACCCAGGGAATATCACGGGTGCCAGAGGACTCACGGGGAC  
 CCTTCGGTGTGAGCTCCAGGTTCAAGGGGAGCCCCCTGAGGTGATGTGGCTTCGAGATGGACAGATCCTA  
 GAACTGGCTGATAACACCCAGACCCAGGTGCCTCTGGGCGAAGACTGGCAAGATGAATGGAAAGTCGTCA  
 GTCAGCTCAGAATCTCAGCCCTGCAACTTTCAGATGCAGGAGAGTACCAGTGTATGGTGCACCTGGAAGG  
 ACGGACCTTTGTGTCTCAGCCGGGCTTTGTAGGACTGGAAGGTCTCCCGTACTTCTGGAGGAACCTGAA  
 GACAAAGCTGTGCCTGCCAACACCCCTTCAACCTAAGCTGCCAGGCCAGGGACCCCGGAACCCGTGA  
 CCCTGCTCTGGCTTCAAGATGCTGTCCCTCTGGCCCCAGTGCAGGATACAGCTTTCAGCACAGTTTGCA  
 AGCTCCAGGCCTGAACAAGACATCTTCTTCTCATGTGAAGCCACAATGCCAAGGGAGTACCACCTCC  
 CGCACAGTACCATCACAGTGTCCACAGAGACCTCACAACTCTCCACGTGGTTTTCCAGACATCCCACGG  
 AGCTAGAGGTAGCTTGGATCCCTACCCTGAGTGGCATCTACCCGCTCACCCACTGCACCTGCAGGCTGT  
 GCTGTCAAACGATGGGGTGGGCGTCTGGCTGGGAAAGTCAGATCCTCCTGAAGAACCCTCACCTGCA  
 GTATCAGTGGCCCCCACCAGCTTCGGCTGGAAAAGCTCCTTCTCACACCCCATATCACATCCGGGTAT  
 CCTGCACTAGCAGCCAGGGCCCCACCTTGGACCCACTGGCTTCTGTGGAGACCACGGAGGGAGTGCC  
 CTTGGGTCCTTGCAGGACCTTGTAGGCTACCGCATGCGGAATGGGAGCCAGGCCCTCGTGCCTGGCAGGAGCCA  
 AGGGAGCCCTTGCAGGGCACCTGTTAGGGTACCGCTGGCATATCGAGGCCAGGACACCCCGAGGTAC  
 TTATGGATATAGGGCTAACTCGAGAGGTGACCTTGGAACTTCGGGGGACAGGCCCTGTGGCTAACCTGAC  
 TGTGTCTGTGGCAGCCTATACCTCAGCTGGGGATGGGCCCTGGAGCCTTCTGTGCCCTAGAGCCCTGG  
 CGCCAGTGAGTGAACCCACCTCCCGCCTTCTCGTGGCCTTGGTGGTATGACTGCTGGGAGCACTTG  
 TGGCCCGCCTGTGTCTTATCTTGACCTGTTCTTGTCCATCGGAGGAAGAAGGAGACGAGATATGG  
 GGAGGTGTTTCAGCCAAGTGTGGAAAGGGTGAAGTGGTGTAGTACCGTACCGTGGCCGAAAGTCTACAGT  
 CGCCGGACACGGAAGCCACCTTGAACAGTCTGGGCATCAGCGAAGAGCTGAAGGAGAACTACGAGACG  
 TCATGGTAGATCGGCATAAGGTGGCCTTGGGGAAGACCCTGGGAGAGGAGAATTTGGTGTGTGATGGA  
 GGGCCAGCTCAACCAGGATGACTCCATCCTCAAGTGTGTGAAGACCATGAAAATGGCATCTGCACA  
 AGATCAGAGCTGGAGATTTCTGAGTGAAGTGTCTGCATGAAGGAATTTGACCACCCCAACGTCATGA  
 GGCTCATTGGCGTCTGTTCCAGGGTCTGACCGAGAGGGTTTCCAGAACCAGGTTGATCTTGCCTTT  
 CATGAAACATGGAGACCTCCACAGTTTCTCCTGTACTCGCGGCTCGGGGACCAGCCAGTGTTCCTGCC  
 ACTCAGATGCTAGTGAAGTTTATGGCCGACATTGCCAGTGGCATGGAGTACCTCAGTACCAAGAGATTCA  
 TACACCGGACCTAGTCCAGGAAGTGCATGTGAATGAGAACATGTCCGTGTGCGTGGCAGACTTCGG  
 GCTCTCCAAGAAGATCTACAATGGGGATTACTACCGCAAGGGCGCATTGCCAAGATGCCAGTCAAGTGG  
 ATTGCTATCGAGAGTCTGGCAGATCGAGTCTACACCAGCAAGAGTACGCTGTGGTCTTCCGGTGTGACAA  
 TGTGGGAGATCGCCACCCGAGGCCAACTCCCTATCCAGGGTGGAGAACAGTGAATTTACGACTACCT  
 ACGTCAAGGAAATCGCCTGAAACAGCCTCTGGACTGTCTGGATGGCCTCTATGCCCTGATGTCCCCTGC  
 TGGGAGCTGAACCCTCGAGACCGCCAAGTTTTGCAGAGCTCCGGGAAGACTTGGAGAACACATTGAAGG  
 CTCTACCCCTGCTCAGGAGCCTGATGAAATCCTCTATGTCAACATGGATGAGGGCGGAAGTCACTTGA  
 ACCCCGTGGGGTGTGGAGGAGCTGACCCCCAACCAACCTGATCCTAAGGATTAAGTGTAGTGTCTC  
 ACTGCAGTGTGACTCCACTCAGCTGGACGCTATGTCTTTGTCTTCTACAGCCCCAGGACCCACTCTGT  
 CTGCTGACAGAGGCTGCCAGCACCTCCAGGGCAGGAGGACGGAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR200095 representing NM\_001013147  
Red=Cloning site Green=Tags(s)

MGRVPLAWCVALLCCWGCAAPKDTQTEADSPFVGNPGNITGARGLTGTLRCELQVQGEPEVMWLRDQGIL  
ELADNTQTQVPLGEDWQDEWKVVSQLRISALQLSDAGEYQCMVHLEGRTFVSQPGFVGLLEGLPYFLEEPE  
DKAVPANTPFNLSCQAQGPPEPVTLWLQDAVPLAPVAGYSFQHSLQAPGLNKTSSFCEAHNAKGVTTT  
RTATITVLPQRPHNLHVSRHPTELEVAVIPIITLSGIYPLTHCTLQAVLSNDGVGVWLKSDPPEEPLTVQ  
VSVPPHQLRLEKLLPHTPYHIRVSTSSQGPSWTHWLPVETTEGVPLGPPENVSAMRNGSQALVRWQEP  
REPLQGTLLGYRLAYRGQDTPVELMDIGLTREVTLELRGDRPVANLTVSVAAYTSAGDGPWVSLPVPLEPW  
RPVSEPPPPAFSWPWWYVLLGALVAAACVLILTLFLVHRRKKETRYGEVFEPTVERGELVVRARARSYS  
RRTTEATLNSLGI SEELKEKLRDVMVDRHKVALGKTLGEGEFGAVMEGQLNQDSSILKVAVKTMKIAICT  
RSELEDFLSEAVCMKEFDHPNVMRLIGVCFQGS DREGFPPEVVILPFMKHGDLHSFLLYSRLGDQPVFLP  
TQMLVKFMADIASGMEYLSTKRFIHRDLAARNMMLNENMSVCVADFGLSKKIYNGDYRQGRIAKMPVKW  
IAIESLADRVTYSKSDVVSFGVTMWEIATRGTTPYPGVENSEIYDYLRQGNRLKQPLDCLDGLYALMSRC  
WELNPRDRPSFAELREDLENTL KALPPAQEPDEILYVNMDEGGSHLEPRGAAGGADPPTQPDPKDYCSCL  
TAADVHSAGRYVLC PSTAPGPTLSADRGC PAPPQEDGA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

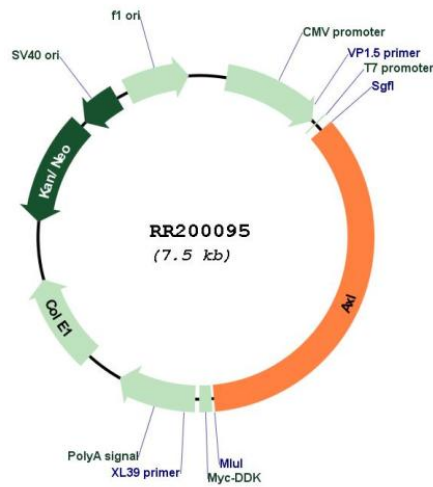
**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



<b>ACCN:</b>	NM_001013147
<b>ORF Size:</b>	2637 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_001013147.1</a> , <a href="#">NP_001013165.1</a>
<b>RefSeq Size:</b>	2640 bp
<b>RefSeq ORF:</b>	2640 bp
<b>Locus ID:</b>	308444
<b>Cytogenetics:</b>	1q21
<b>MW:</b>	97.2 kDa