

## Product datasheet for **RG220728**

### **AXL (NM\_001699) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	AXL (NM_001699) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AXL
Synonyms:	ARK; JTK11; Tyro7; UFO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG220728 representing NM\_001699  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTGGCGGTGCCCCAGGATGGCAGGGTCCCCTGGCTGGTGTGGCGTGTGGCGTGGCGCTGGCGCT  
 GCATGGCCCCAGGGGCACGCAGGCTGAAGAAAGTCCCTTCGTGGCAACCCAGGGAATATCACAGGTGC  
 CCGGGGACTCACGGGCACCCCTTCGGTGTGACTCCAGGTTACAGGAGAGCCCCGAGGTACATTGGCTT  
 CGGGATGGACAGATCCTGGAGCTCGCGGACAGCACCCAGACCCAGGTGCCCTGGGTGAGGATGAACAGG  
 ATGACTGGATAGTGGTACGCCAGCTCAGAATCACCTCCCTGCAGCTTCCGACACGGGACAGTACCAGTG  
 TTTGGTGTTCGGGACATCAGACCTTCGTGTCCAGCCTGGCTATGTTGGGCTGGAGGGCTTGCCTTAC  
 TTCCTGGAGGAGCCGAAGACAGGACTGTGGCCGCAACACCCCTTCAACCTGAGCTGCCAAGCTCAGG  
 GACCCCGAGGCCGTGGACCTACTCTGGCTCCAGGATGCTGTCCCCTGGCCACGGCTCCAGGTACGG  
 CCCCCAGCGCAGCTGCATGTTCCAGGGTGAACAAGACATCCTCTTCTCCTGCGAAGCCATAACGCC  
 AAGGGGGTCAACCATCCCGCACAGCCACCATCACAGTGTCCCCAGCAGCCCGTAACCTCCACCTGG  
 TCTCCCGCAACCCACGGAGCTGGAGGTGGCTGGACTCCAGGCCTGAGCGGCATCTACCCCTGACCCA  
 CTGCACCTGCAGGCTGTGCTGTGACAGATGGGATGGGCATCCAGGCGGGAGAACCAGACCCCGCAGG  
 GAGCCCTCACCTCGCAAGCATCCGTGCCCGCCATCAGCTTCGGCTAGGCAGCTCCATCCTCACACCC  
 CTTATCACATCCGCGTGGCATGCACCAGCAGCCAGGGCCCTCATCCTGGACCCACTGGCTTCTGTGGA  
 GACGCCGAGGGAGTGCCCTGGGCCCCCTGAGAACATTAGTGCTACCGGGAATGGGAGCCAGGCCCTTC  
 GTGCATTGGCAAGAGCCCCGGCGCCCTGCAGGGTACCCTGTTAGGGTACCGGCTGGCGTATCAAGGCC  
 AGGACACCCAGAGGTGCTAATGGACATAGGGCTAAGGCAAGAGGTGACCCTGGAGCTGCAGGGGAGCG  
 GTCTGTGTTCAAATCTGACAGTGTGTGGCAGCCTACACTGCTGTGGGATGGACCCTGGAGCCTCCCA  
 GTACCCCTGGAGGCTGGCGCCAGTGAAGGAACCTTCAACTCCTGCCTTCTCGTGGCCCTGGTGGTATG  
 TACTGCTAGGAGCAGTCGTGGCCGCTGCCTGTGTCTCATCTTGCTCTTCTTGTCCACCGCGGAAA  
 GAAGGAGACCCGTTATGGAGAAGTGTGTTGAACCAACAGTGGAAAGAGGTGAACTGGTAGTCAGGTACCGC  
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 AGGAGAAGCTGCGGGATGTGATGGTGGACCGGCACAAGGTGGCCCTGGGAAGACTCTGGGAGGGGAGA  
 GTTTGGAGCTGTGATGGAAGCCAGCTCAACCAGGACGACTCCATCCTCAAGGTGGCTGTGAAGACGATG  
 AAGATTGCCATCTGCACGAGGTGAGAGTGGAGGATTTCTGAGTGAAGCGGTCTGCATGAAGGAATTTG  
 ACCATCCAACGTCATGAGGCTCATCGGTGTCTGTTCCAGGGTCTGAACGAGAGAGCTTCCCAGCACC  
 TGTGGTCACTTACCTTTCATGAAACATGGAGACCTACACAGCTTCTCCTCTATTCCCGGCTCGGGGAC  
 CAGCCAGTGTACCTGCCACTCAGATGCTAGTGAAGTTCATGGCAGACATCGCCAGTGGCATGGAGTATC  
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 AAGATGCCAGTCAAGTGGATTGCCATTGAGAGTCTAGCTGACCGTGTCTACACCAGCAAGAGCGATGTGT  
 GGTCCTTCGGGGTGACAATGTGGGAGATTGCCACAAGAGGCCAAACCCATATCCGGGCGTGGAGAACAG  
 CGAGATTTATGACTATCTGCGCCAGGGAATCGCCTGAAGCAGCCTGCGGACTGTCTGGATGGACTGTAT  
 GCCTTGATGTGCGGGTGTGGGAGTAAATCCCCAGGACCGGCCAAGTTTTACAGAGCTGCGGGGAAGATT  
 TGGAGAACACACTGAAGGCTTGCCTCCTGCCAGGAGCCTGACGAAATCCTCTATGTCAACATGGATGA  
 GGGTGGAGTTATCCTGAACCCCTGGAGCTGCAGGAGGAGTGAACCCCAACCCAGCCAGACCCCTAAG  
 GATTCTGTAGCTGCCTCACTGCGGCTGAGGTCCATCCTGCTGGACGCTATGTCTCTGCCCTTCCACAA  
 CCCCTAGCCCCGCTCAGCCTGCTGATAGGGGCTCCCCAGCAGCCCGAGGCGAGGAGGATGGTGCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG220728 representing NM\_001699  
 Red=Cloning site Green=Tags(s)

MAWRCPRMGRVPLAWCLALCGWACMAPRGTAEEPSFVGNPGNITGARGLTGTLRCQLVQVQGPPEVHWL  
 RDGQILELADSTQTVPLGEDEQDDWIVVSQLRITSLQLSDTGQYQCLVFLGHQTFVSQPGYVGLLEGLPY  
 FLEEPEDRTVAANTPFNLSCQAQGPPEVDLLWLQDAVPLATAPGHGPPQRSLHVPGLNKTSFSCEAHNA  
 KGVTTSTRATITVLPQQPRNLHLVSRQPTTELEVAVTGLSGIYPLTHCTLQAVLSDGGMGIQAGEPDPE  
 EPLTSQASVPPHQLRLGSLHPHTPYHIRVACTSSQGPSSWTHWLPVETPEGVPLGPPENISATRNGSQAF  
 VHWQEPRAPLQGTLLGYRLAYQGQDTPVELMDIGLRQEVTLLELQGDGVSNSLTVCVAAAYTAAGDGPWSLP  
 VPLEAWRPVKEPSTPAFSWPWWYVLLGAVVAAACVLILALFLVHRRKKETRYGEVFEPTVERGELVVRYR  
 VRKSYSRRTEATLNSLGISEELKEKLRDVMVDRHKVALGKTLGEGEFGAVMEGQLNQDDSIKLVAVKTM  
 KIAICTRSELEDLSEAVCMKEFDHPNMVRLIGVCFQGSERESFPAPVVILPFMKHGDLSFLLYSRLGD  
 QPVYLPQMLVKFMADIASGMEYLSTKRFIHRDLAARNMMLNENMSVCVADFGLSKKIYNGDYRQGRIA  
 KMPVKWIAIESLADRVTYSKSDVWSFGVTMWEIATRGTTPYGVENSEIYDYL RQGNRLKQPADCLDGLY  
 ALMSRCWELNPQDRPSFTELRELDLTKALPPAQEPDEILYVNMDEGGGYPEPPGAAGGADPPTQDPDK  
 DSCSCLTAAEVHPAGRYVLCPSSTPSPAQPADRGSPAAPGQEDGA

TRTRPLE - GFP Tag - V

**Restriction Sites:**

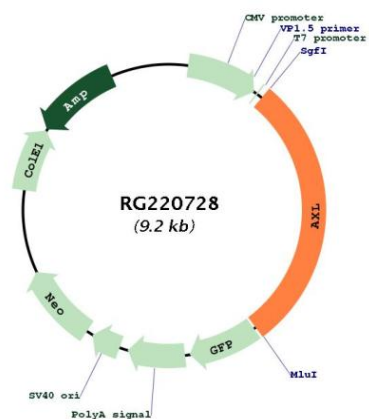
SgfI-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_001699
<b>ORF Size:</b>	2655 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_001699.6</a>
<b>RefSeq Size:</b>	4716 bp
<b>RefSeq ORF:</b>	2658 bp
<b>Locus ID:</b>	558
<b>UniProt ID:</b>	<a href="#">P30530</a>
<b>Cytogenetics:</b>	19q13.2
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Gene Summary:</b>	The protein encoded by this gene is a member of the Tyro3-Axl-Mer (TAM) receptor tyrosine kinase subfamily. The encoded protein possesses an extracellular domain which is composed of two immunoglobulin-like motifs at the N-terminal, followed by two fibronectin type-III motifs. It transduces signals from the extracellular matrix into the cytoplasm by binding to the vitamin K-dependent protein growth arrest-specific 6 (Gas6). This gene may be involved in several cellular functions including growth, migration, aggregation and anti-inflammation in multiple cell types. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG220728