

Product datasheet for **RG206431**

AXL (NM_021913) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AXL (NM_021913) 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:

>RG206431 representing NM_021913
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTGGCGGTGCCCCAGGATGGCAGGGTCCCCTGGCTGCTTGGCGTGTGGCGTGGCGTGGCGT
 GCATGGCCCCAGGGGCACGCAGGCTGAAGAAAGTCCCTTCGTTGGCAACCCAGGGAATATCACAGGTGC
 CCGGGGACTCACGGGCACCCCTTCGGTGTGACTCCAGGTTTCAGGAGAGCCCCCGAGGTACATTGGCTT
 CGGGATGGACAGATCCTGGAGCTCGCGGACAGCACCCAGACCCAGGTGCCCTGGGTGAGGATGAACAGG
 ATGACTGGATAGTGGTACGCCAGCTCAGAATCACCTCCCTGCAGCTTTCGACACGGGACAGTACCAGTG
 TTTGGTGTTCGGGACATCAGACCTTCGTGTCCAGCCTGGCTATGTTGGGCTGGAGGGCTTGCCTTAC
 TTCCTGGAGGAGCCGAAGACAGGACTGTGGCCGCAACACCCCTTCAACCTGAGCTGCCAAGCTCAGG
 GACCCCAAGACCCGTTGGACCTACTCTGGCTCCAGGATGCTGTCCCCTGGCCACGGCTCCAGGTACGG
 CCCCCAGCGCAGCTGCATGTTCCAGGGTGAACAAGACATCCTCTTTCCTGCGAAGCCATAACGCC
 AAGGGGGTCAACCATCCCGCACAGCCACCATCACAGTGTCCCCAGCAGCCCGTAACCTCCACCTGG
 TCTCCCGCAACCCACGGAGCTGGAGGTGGCTGGACTCCAGGCCTGAGCGGCATCTACCCCTGACCCA
 CTGACCCCTGCAGGCTGTGCTGTGACAGCATGGGATGGGCATCCAGGCGGGAGAACCAGACCCCAAG
 GAGCCCTCACCTCGCAAGCATCCGTGCCCCCATCAGCTTCGGCTAGGCAGCTCCATCTCACACCC
 CTTATCACATCCGCGTGGCATGCACCAGCAGCCAGGGCCCTCATCTGGACCCACTGGCTTCTGTGGA
 GACCGCGAGGGAGTGGCCCTGGGCCCCCTGAGAACATTAGTGTACCGGGAATGGGAGCCAGGCTTC
 GTGCATTGGCAAGAGCCCCGGCGCCCTGCAGGGTACCCTGTTAGGGTACCGGCTGGCGTATCAAGGCC
 AGGACCCCAAGAGGTGCTAATGGACATAGGGCTAAGGCAAGAGGTGACCCTGGAGCTGCCAGGGACGG
 GTCTGTGTTCAATCTGACAGTGTGTGGCAGCCTACACTGCTGTGGGATGGACCTGGAGCCTCCCA
 GTACCCCTGGAGGCTGGCGCCAGGGCAAGCACAGCCAGTCCACCAGCTGGTGAAGGAACCTTCAACTC
 CTGCCCTCTCGTGGCCCTGGTGTATGTACTGCTAGGAGCAGTGTGGCCGCTGCCTGTCTCTCATCTT
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 AGAGGTGAACTGGTAGTCAGGTACCGCTGCGCAAGTCTACAGTGTGGACCACTGAAGTACCTTGA
 ACAGCTTGGGCATCAGTGAAGAGCTGAAGGAGAAGCTGCGGGATGTGATGGTGGACCGGCACAAGGTGGC
 CCTGGGAAGACTCTGGGAGAGGAGAGTTGGAGCTGTGATGGAAGGCCAGTCAACCAGGACGACTCC
 ATCCTCAAGGTGGCTGTGAAGACGATGAAGATTGCCATCTGCACGAGTCAAGTGGAGATTTCTCTGA
 GTGAAGCGGTCTGCATGAAGGAATTTGACCATCCCAACGTCATGAGGCTCATCGGTGTCTTTCCAGGG
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 CCTGCGGACTGTCTGGATGGACTGTATGCCTTGTGTGCGGGTGTGGGAGCTAAATCCCAAGGACCGGC
 CAAGTTTTACAGAGCTGCGGGAAGATTTGGAGAACAACACTGAAGGCCCTGCCTCTGCCAGGAGCTGA
 CGAAATCTCTATGTCAACATGGATGAGGGTGGAGGTTATCCTGAACCCCTGGAGCTGCAGGAGGAGCT
 GACCCCCAACCCAGCCAGACCCTAAGGATTCCTGTAGCTGCCTCACTGCGGCTGAGGTCCATCTGTCTG
 GACGCTATGTCTCTGCCCTTCCACAACCCTAGCCCCGCTCAGCCTGCTGATAGGGGCTCCCCAGCAGC
 CCCAGGGCAGGAGGATGGTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206431 representing NM_021913
 Red=Cloning site Green=Tags(s)

MAWRCPRMGRVPLAWCLALCGWACMAPRGTAEEPSFVGNPGNITGARGLTGTLRCQLQVQGEPPPEVHWL
 RDGQILELADSTQTVPLGEDEQDDWIVVSQLRITSLQLSDTGQYQCLVFLGHQTFVVSQPGYVGLLEGLPY
 FLEEPEDRTVAANTPFNLSCQAQGPPEPVDLLWLQDAVPLATAPGHGHPQRSLHVPGLNKTSFSCEAHNA
 KGVTTSRATITVLPQQPRNLHLVSRQPTTELEVAVTGLSGIYPLTHCTLQAVLSDDGMIQAGEPDPPE
 EPLTSQASVPPHQLRLGSLHPHTPYHIRVACTSSQGPSSWTHWLPVETPEGVPLGPPENISATRNGSQAF
 VHWQEPRAPLQGTLLGYRLAYQGDTPPEVLMDIGLRQEVTLLELQGDGVSNSLTVCVAAAYTAAGDGPWSLP
 VPLEAWRPGQAQPVHQLVKEPSTPAFSWPWYVLLGAVVAAACVLILALFLVHRRKKETRYGEVFEPTVE
 RGELVVRYVRKSYSRRTEATLNSLGISEELKEKLRDVMVDRHKVALGKTLGEGEFGAVMEGQLNQDDS
 ILKVAVKTMKIAICTRSELEDFLSEAVCMKEFDHPNVMRLIGVCFQGSERESFPAPVVILPFMKHGLHS
 FLLYSRLGDQPVYLPTQMLVKFMADIASGMEYLSTKRFIHRDLAARNCMLNENMSVCVADFGLSKKIYNG
 DYYRQGRIAKMPVKWIAIESLADRVTYSKSDVWSFGVTMWEIATRGQTPYPGVENSEIYDYLRRGNRLKQ
 PADCLDGLYALMSRCWELNPQDRPSFTELREDLENTLKALPPAQEPDEILYVNMDEGGGYPEPPGAAGGA
 DPPTQDPDKDSCSCLTAAEVHPAGRYVLCPSSTTPSPAQPADRGSPAAPGQEDGA

TRTRPLE - GFP Tag - V

Restriction Sites:

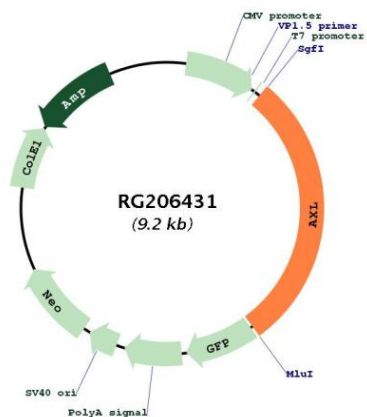
SgfI-MluI

Cloning Scheme:



ACCN:	NM_021913
ORF Size:	2682 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_021913.2 , NP_068713.2
RefSeq Size:	5014 bp
RefSeq ORF:	2685 bp
Locus ID:	558
UniProt ID:	P30530
Cytogenetics:	19q13.2
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Gene Summary:	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 RG206431