

Product datasheet for SC112559

AXL (NM_021913) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AXL (NM_021913) Human Untagged Clone
Tag:	Tag Free
Symbol:	AXL
Synonyms:	ARK; JTK11; Tyro7; UFO
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_021913 edited
GGCGGCTGCTGGGCAGAGCCGGTGGCAAGGGCCTCCCCTGCCGCTGTGCCAGGCAGGCAG
TGCCAAATCCGGGGAGCCTGGAGCTGGGGGGAGGGCCGGGGACAGCCCGGCCCTGCCCC
TCCCCCGCTGGGAGCCAGCAACTTCTGAGGAAAGTTTGGCACCCATGGCGTGCCGGTGC
CCCAGGATGGGCAGGGTCCCCTGGCCTGGTGTGCTTGGCGCTGTGCGGCTGGGCGTGCATG
GCCCCAGGGGCACGCAGGCTGAAGAAAGTCCCTTCGTGGGCAACCCAGGGAATATCACA
GGTGCCCCGGGACTCACGGGCACCCTTCGGTGTGCTGAGTCCAGGTTCCAGGGAGAGCCCC
GAGGTACATTGGCTTCGGGATGGACAGATCCTGGAGCTCGCGGACAGCACCCAGACCCAG
GTGCCCTGGGTGAGGATGAACAGGATGACTGGATAGTGGTCCAGCCAGCTCAGAATCACC
TCCCTGCAGCTTCCGACACGGGACAGTACCAGTGTGGTGTCTGGGACATCAGACC
TTCGTGTCCCAGCCTGGCTATGTTGGGCTGGAGGGCTTGCCTTACTTCCCTGGAGGAGCC
GAAGACAGGACTGTGGCCGCAACACCCCTTCAACCTGAGCTGCCAAGCTCAGGGACCC
CCAGAGCCCGTGGACCTACTCTGGCTCCAGGATGCTGTCCCCTGGCCACGGCTCCAGGT
CACGGCCCCCAGCGCAGCCTGCATGTTCCAGGGCTGAACAAGACATCCTCTTCTCCTGC
GAAGCCATAACGCCAAGGGGTACCACATCCCGCACAGCCACCATCACAGTGTCCCC
CAGCAGCCCCGTAACCTCCACCTGGTCTCCCGCAACCCACGGAGCTGGAGGTGGCTTGG
ACTCCAGGCTGAGCGGCATCTACCCCTGACCCACTGCACCCTGCAGGCTGTGTGTCA
GACGATGGGATGGCATCCAGGCGGGAGAACCAGACCCCCAGAGGAGCCCTCACCTCG
CAAGCATCCGTGCCCCCCATCAGCTTCGGCTAGGCAGCCTCCATCCTCACACCCCTTAT
CACATCCGCTGGCATGCAACAGCAGCCAGGGCCCTCATCCTGGACCCACTGGCTTCT
GTGGAGACGCGGAGGGAGTGGCCCTGGGCCCCCTGAGAACATTAGTGCTACGCGGAAT
GGGAGCCAGGCCTTCGTGCATTGGCAAGAGCCCCGGGCGCCCCTGCAGGGTACCCTGTTA
GGGTACCGCTGGCGTATCAAGGCCAGGACACCCAGAGGTGCTAATGGACATAGGGCTA
AGGCAAGAGGTGACCCTGGAGCTGCAGGGGACGGGTCTGTGTCCAATCTGACAGTGTGT
GTGGCAGCCTACACTGCTGCTGGGGATGGACCCTGGAGCCTCCAGTACCCTGGAGGCC
TGCGGCCAGGGCAAGCACAGCCAGTCCACCAGTGGTGAAGGAACCTTCAACTCCTGCC
TTCTCGTGGCCCTGGTGTATGTACTGCTAGGAGCAGTCTGGCCGCTGCCTGTGTCTCT



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ATCTTGGCTCTCTTCTTGTCCACCGGGCAAAGAAGGAGACCCGTTATGGAGAAGTGT
 GAACCAACAGTGGAAAGAGGTGAAGTGGTAGTCAGGTACCGCGTGCAGTCTACAGT
 CGTCGGACCACTGAAGCTACCTTGAACAGCTTGGGCATCAGTGAAGAGCTGAAGGAGAAG
 CTGCGGGATGTGATGGTGGACCGGCACAAGGTGGCCCTGGGGAAGACTCTGGGAGAGGA
 GAGTTTGGAGCTGTGATGGAAGGCCAGCTCAACCAGGACGACTCCATCCTCAAGTGGT
 GTGAAGACGATGAAGATTGCCATCTGCACGAGGTCAGAGCTGGAGATTTCCTGAGTGAA
 GCGGTTCGATGAAGGAATTTGACCATCCCAACGTCATGAGGCTCATCGGTGTCTGTTTC
 CAGGGTTCTGAACGAGAGAGCTTCCCAGCACCTGTGGTACCTTACCTTTTCATGAAACAT
 GGAGACCTACACAGCTTCTCTCTATTCCCGGCTCGGGGACCAGCCAGTGTACCTGCC
 ACTCAGATGCTAGTGAAGTTCATGGCAGACATCGCCAGTGGCATGGAGTATCTGAGTACC
 AAGAGATTCATACACCGGACCTGGCGCCAGGAACTGCATGCTGAATGAGAACATGTCC
 GTGTGTGGCGGACTTCGGGCTCTCCAAGAAGATCTACAATGGGGACTACTACCGCCAG
 GGACGTATCGCCAAGATGCCAGTCAAGTGGATTGCCATTGAGAGTCTAGCTGACCGTGT
 TACACCAGCAAGAGCGATGTGTGGTCTTCGGGGTGACAAATGTGGGAGATTGCCACAAGA
 GGCCAAACCCCATATCCGGGCGTGGAGAACAGCGAGATTTATGACTATCTGCGCCGGGA
 AATCGCCTGAAGCAGCCTGCGGACTGTCTGGATGGACTGTATGCCTTGATGTGCGGGTGC
 TGGGAGCTAAATCCCAGGACCGGCCAAGTTTTACAGAGCTGCGGGAAGATTTGGAGAAC
 AACTGAAGGCCTTGCCTCCTGCCAGGAGCCTGACGAAATCCTCTATGTCAACATGGAT
 GAGGGTGGAGTTATCCTGAACCCCTGGAGCTGCAGGAGGAGCTGACCCCAACCCAG
 CCAGACCTAAGGATTCCTGTAGCTGCCTCACTGCGGCTGAGGTCCATCCTGCTGGACGC
 TATGCTCTGTCCTTCCACAACCCCTAGCCCGCTCAGCCTGCTGATAGGGGCTCCCA
 GCAGCCCCAGGGCAGGAGGATGGTGCCTGAGACAACCCCTCCACCTGGTACTCCCTCAG
 GATCCAAGCTAAGCACTGCCACTGGGAAAACTCCACCTTCCCACTTTCCACCCACGC
 CTATCCCACTTGCAGCCCTGTCTTCTACCTATCCCACCTCCATCCCAGACAGTCCC
 TCCCTTCTGTGACGTAGCATCACCTTGAAGCAGTAGCATACCATCTGTAAGGA
 AGGGTTGGATTGCAATATCTGAAGCCCTCCCAGGTGTTAACATTCAGACTCTAGAGT
 CCAAGGTTAAAGAGTCTAGATTCAAAGTTCTAGGTTTCAAAGATGCTGTGAGTCTTTG
 GTTCTAAGGACCTGAAATTCAAAGTCTAATTCTATTAAGTCTAAGTTCTAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021913 unedited
 GTCAACATTTNGTAAACGACTTACTATAGGGCGGCCGCAAATCCCAGGATGGCGGCTGC
 TGGGCAGAGCCGGTGGCAAGGGCCTCCCCTGCCGCTGTGCCAAGCAGGCAGTGCCAAATC
 CGGGGAGCCTGGAGCTGGGGGAGGAAAAAGCCATCACTCAAAGTGCACCACACATAAC
 CCATAAATGAAAAAGAATAAACACAAAAAATTATCTTCTAAACAAAATACCACAAAT
 TTTGAGGGGAAAAACATCACAAAACCAACCACACCACATCCATTAAGGAAAAATAT
 TACTCAAATATATTAACAAAAATCACAAAAACAGCAACAAAAACAGACAAAAATAT
 AACTAAAATAACACAATAACAATTAACACACAATACATAAAACAAATACACCCCTA
 CAACAACACAGACACAGCCAAAAAAAACAATATGAAATACAAAAAACATAAAGAAC
 ATAAGCTAACTAAACAAATAAAAGAAAAGAAAAACCGACAATTCATCAAAAAATAAC
 AAAAAACGAAACACAAACAAATATACACCCACACACAAAAAACAAAACTACTC
 ACAAAAAAACAAACAAAGAAACATCCAACCACAGAACCAATCAAGTATATAAAATAA
 ACAACTTTATAACACAACCAACATCAATAGACATAACACCAAAAAATTAATAATCAA
 GAAAAACAACAACAAATCAATTTCCCACTCCAGCAACGAAAAGATTAACAAACCAACAAC
 AAAACAAGACGTAAAATACAATAAAACAAAAAATAACAAATAGAAAAAAAATAAAT
 CATATAAATTACAAATGTCCAAAACTGATCACAAACGATAAACTCAACATAACCATAA
 ACAACACCACAAAAACAATAACAACACTTCACACACTAACACCAAAATAAATAACAAC
 AAGTC

Restriction Sites:

Please inquire

ACCN:

NM_021913

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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.
RefSeq:	NM_021913.2 , NP_068713.2
RefSeq Size:	4750 bp
RefSeq ORF:	2685 bp
Locus ID:	558
UniProt ID:	P30530
Cytogenetics:	19q13.2
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>