

## Product datasheet for **SC337032**

### AXL (NM\_001278599) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AXL (NM_001278599) Human Untagged Clone
Tag:	Tag Free
Symbol:	AXL
Synonyms:	ARK; JTK11; Tyro7; UFO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

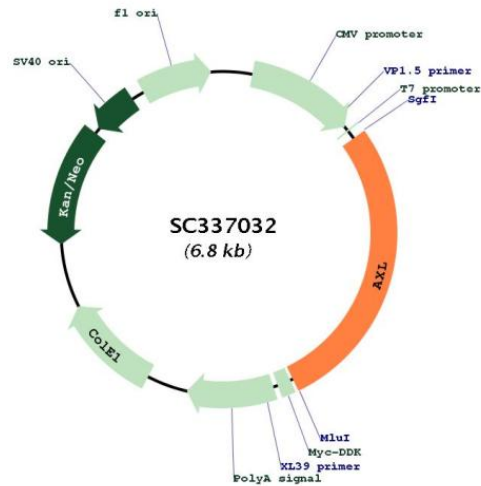


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Fully Sequenced ORF: >SC337032 representing NM\_001278599.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCATCCAGGCGGGAGAACCAGACCCCCAGAGGAGCCCTCACCTCGCAAGCATCCGTGCCCCC
CATCAGTTTCGGCTAGGCAGCTCCATCCTCACACCCCTTATCACATCCGCGTGGCATGCACCAGCAGC
CAGGGCCCTCATCCTGGACCCACTGGCTTCTGTGGAGACGCCGAGGGAGTGCCCTGGGCCCCCT
GAGAACATTAGTGTACGCGGAATGGGAGCCAGGCCTTCGTGCATTGGCAAGAGCCCCGGGCGCCCTG
CAGGGTACCCTGTTAGGGTACCGCTGGCGTATCAAGGCCAGGACACCCAGAGGTGCTAATGGACATA
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CTGAAGGAGAAGCTGCGGGATGTGATGGTGGACCGGCACAAGGTGGCCCTGGGGAAGACTCTGGGAGAG
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GGCGTGGAGAACAGCGAGATTTATGACTATCTGCGCCAGGAAATCGCCTGAAGCAGCCTGCGGACTGT
CTGGATGGACTGTATGCCTTGTGTGCGGGTCTGGGAGCTAAATCCCCAGGACCGGCCAAGTTTACA
GAGCTGCGGGAAGATTTGGAGAACACTGAAGGCCTTGCTCCTGCCAGGAGCCTGACGAAATCCTC
TATGTCAACATGGATGAGGGTGGAGTTATCCTGAACCCCTGGAGCTGCAGGAGGAGCTGACCCCCCA
ACCCAGCCAGACCCTAAGGATTCCTGTAGCTGCCTCACTGCGGCTGAGGTCCATCCTGCTGGACGCTAT
GTCTCTGCCCTTCCACAACCCCTAGCCCCGCTCAGCCTGCTGATAGGGGCTCCCAGCAGCCCCAGGG
CAGGAGGATGGTGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_001278599

**Insert Size:** 1881 bp

**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:**

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\\_001278599.1](#)

**RefSeq Size:** 4128 bp

**RefSeq ORF:** 1881 bp

**Locus ID:** 558

**Cytogenetics:** 19q13.2

**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane

**MW:** 69.2 kDa

**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]

Transcript Variant: This variant (3) differs in the 5' UTR, lacks four alternate exons in the 5' coding region and initiates translation at a downstream AUG, compared to variant 1. It encodes isoform 3 which has a shorter N-terminus, compared to isoform 1.