

Product datasheet for **RC600073**

AXL (NM_001699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AXL (NM_001699) Human Tagged ORF Clone
Tag:	DDK-His
Symbol:	AXL
Synonyms:	ARK; JTK11; Tyro7; UFO
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5-DDK-His (PS100068)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC600073 representing leader sequence plus the extracellular domain region of NM_001699

Red=Cloning site Blue=ORF Green=Tags(s)

GTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCTGGTACCGAGGAGATCCGCCGCCG
CGATCGCC

ATGGCGTGGCGGTGCCCCAGGATGGGCAGGGTCCCGCTGGCTGGTGTGGCGCTGTGGCGCTGGGCGT
GCATGGCCCCCAGGGGCACGCAGGCTGAAGAAAGTCCCTTCGTGGGCAACCCAGGGAATATCACAGGTGC
CCGGGGACTCACGGGCACCCCTTCGGTGTGAGCTCCAGGTTAGGGAGAGCCCCCGAGGTACATTGGCTT
CGGGATGGACAGATCCTGGAGCTCGCGGACAGCACCCAGACCCAGGTGCCCTGGGTGAGGATGAACAGG
ATGACTGGATAGTGGTACGCCAGCTCAGAATCACCTCCCTGCAGCTTCCGACACGGGACAGTACCAGTG
TTTGGTGTTCCTGGGACATCAGACCTTCGTGTCCAGCCTGGCTATGTTGGGCTGGAGGGCTTGCCTTAC
TTCTGGAGGAGCCGAAGACAGGACTGTGGCCGCAACACCCCTTCAACCTGAGCTGCCAAGCTCAGG
GACCCCAAGAGCCGTGGACCTACTCTGGCTCCAGGATGTGTCCCTGGCCACGGCTCCAGGTACCGG
CCCCCAGCGCAGCTGCATGTTCCAGGGTGAACAAGACATCCTTTCTCTGCGAAGCCATAACGCC
AAGGGGTCAACACATCCCGCACAGCCACCATCACAGTGTCCCCCAGCAGCCCCGTAACCTCCACCTGG
TCTCCCGCAACCCACGGAGCTGGAGGTGGCTTGGACTCCAGGCCTGAGCGGCATCTACCCCTGACCCA
CTGCACCTGCAGGCTGTGCTGTGACAGATGGGATGGGCATCCAGGCGGGAGAACCAGACCCCCAGAG
GAGCCCTCACCTCGCAAGCATCCGTGCCCCCATCAGCTTCGGCTAGGCAGCTCCATCTCACACCC
CTTATCACATCCGCGTGGCATGCACCAGCAGCCAGGGCCCTCATCTGGACCCACTGGCTTCTGTGGA
GACGCCGAGGGAGTCCCTGGCCCCCTGAGAACATTAGTGCTACCGGAATGGGAGCCAGGCTTC
GTGCATGGCAAGAGCCCCGGGCCCTGCAGGGTACCCTGTTAGGGTACCGGCTGGCGTATCAAGGCC
AGGACACCCAGAGGTGCTAATGGACATAGGGCTAAGGCAAGAGGTGACCCTGGAGCTGACGGGGACGG
GTCTGTGTCCAATCTGACAGTGTGTGTGGCAGCCTACACTGCTGTGGGATGGACCCTGGAGCCTCCCA
GTACCCCTGGAGGCTGGCGCCAGTGAAGAACCTTCAACTCTGCCTTCTCGTGGCCCTGGTGG

ACGCGTTCAGGGGACTACAAGGATGACGACGATAAGGGATCTCATCATCACCATCACCATTAATGAGATC
TGGTACCGATATCAAGCTTGTGACTCTAGA

Protein Sequence:

>RC600073 representing signal peptide plus the extracellular domain region of NM_001699

Red=Cloning sites Green= DDK and 6XHis Tags

MAWRCPRMGRVPLAWCLALCGWACMAPRGTQAEESPFVGNPNITGARGLTGTLRCQLQVQGEPEVHWL
RDGQILELADSTQTQVPLGEDEQDDWIVVSQLRITSLQLSDTGQYQCLVFLGHQTFVSPQGYVGLLELPY
FLEEPEDRTVAANTPFNLSCQAQGPPEPVDLLWLQDAVPLATAPGHGHPQRS LHVPGLNKTSFSCEAHNA
KGVTTSTRTATITVLPQQPRNLHLVSRQPTLEVAWTPGLSGIYPLTHCTLQAVLSDDGMGIQAGEPDPPE
EPLTSQASVPPHQLRLGSLHPHTPYHIRVACTSSQGPSSWTHWLPVETPEGVPLGPPENISATRNGSQAF
VHWQEPRAPLQGTLLGYRLAYQGQDTPEVLMIDIGLRQEVTLLELQGDGVSNSLTVCVAAAYTAAGDGPWSLP
VPLEAWRPVKEPSTPAFSPW

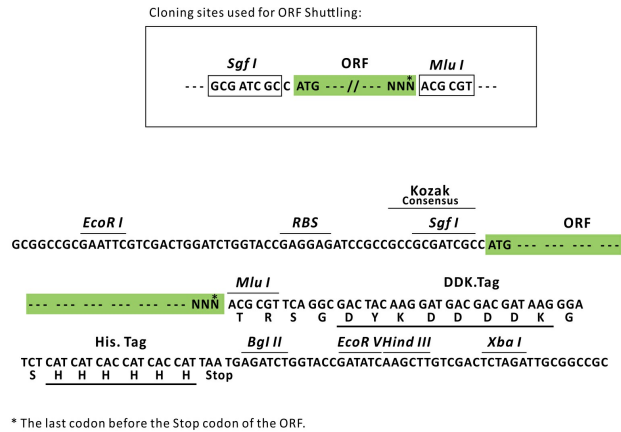
TRSGTRSGDYKDDDDKGSHHHHHH

Chromatograms:

https://cdn.origene.com/chromatograms/mk8117_h11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001699

ORF Size: 1326 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 extra cellular domain of the protein 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:

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_001699.5](#), [NP_001690.2](#)

RefSeq Size: 4723 bp

RefSeq ORF: 2658 bp

Locus ID: 558

UniProt ID: [P30530](#)

Cytogenetics: 19q13.2

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

MW: 48.1 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]