

Product datasheet for **RC220728**

AXL (NM_001699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AXL (NM_001699) Human Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>RC220728 representing NM_001699
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTGGCGGTGCCCCAGGATGGCAGGGTCCCCTGGCTGGTGTGGCGTGTGGCGTGGCGCTGGCGCT
 GCATGGCCCCCAGGGGCACGCAGGCTGAAGAAAGTCCCTTCGTGGCAACCCAGGAATATCACAGGTGC
 CCGGGGACTCACGGGCACCCCTTCGGTGTGACTCCAGGTTACAGGAGAGCCCCGAGGTACATTGGCTT
 CGGGATGGACAGATCCTGGAGCTCGCGGACAGCACCCAGACCCAGGTGCCCTGGGTGAGGATGAACAGG
 ATGACTGGATAGTGGTACGCCAGCTCAGAATCACCTCCCTGCAGCTTCCGACACGGGACAGTACCAGTG
 TTTGGTGTTCGGGACATCAGACCTTCGTGTCCAGCCTGGCTATGTTGGGCTGGAGGGCTTGCCTTAC
 TTCCTGGAGGAGCCGAAGACAGGACTGTGGCCGCAACACCCCTTCAACCTGAGCTGCCAAGCTCAGG
 GACCCCGAGGCCGTGGACCTACTCTGGCTCCAGGATGCTGTCCCCTGGCCACGGCTCCAGGTACGG
 CCCCAGCGCAGCCTGCATGTTCCAGGGTGAACAAGACATCCTCTTCTCCTGCGAAGCCATAACGCC
 AAGGGGGTCAACCATCCCGCACAGCCACCATCACAGTGTCCCCAGCAGCCCGTAACCTCCACCTGG
 TCTCCCGCAACCCACGGAGCTGGAGGTGGCTGGACTCCAGGCCTGAGCGGCATCTACCCCTGACCCA
 CTGCACCTGCAGGCTGTGCTGTGACAGCATGGGATGGGCATCCAGGCGGGAGAACCAGACCCCGCAGG
 GAGCCCTCACCTCGCAAGCATCCGTGCCCGCCATCAGCTTCGGCTAGGCAGCCTCCATCCTCACACCC
 CTTATCACATCCGCGTGGCATGCACCAGCAGCCAGGGCCCTCATCTGGACCCACTGGCTTCTGTGGA
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 GTGCATTGGCAAGAGCCCGGGCCCTGCAGGGTACCCTGTTAGGGTACCGGCTGGCGTATCAAGGCC
 AGGACACCCAGAGGTGCTAATGGACATAGGGCTAAGGCAAGAGGTGACCCTGGAGCTGCAGGGGAGCG
 GTCTGTGTTCAATCTGACAGTGTGTGGCAGCCTACACTGCTGTGGGATGGACCCTGGAGCCTCCCA
 GTACCCCTGGAGCCTGGCGCCAGTGAAGGAACCTTCAACTCCTGCCTTCTCGTGGCCCTGGTGGTATG
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 AGGAGAAGCTGCGGGATGTGATGGTGGACCGGCACAAGGTGGCCCTGGGAAGACTCTGGGAGGGGAGA
 GTTTGGAGCTGTGATGGAAGCCAGCTCAACCAGGACGACTCCATCCTCAAGGTGGCTGTGAAGACGATG
 AAGATTGCCATCTGCACGAGGTGAGAGTGGAGGATTTCTGAGTGAAGCGGTCTGCATGAAGGAATTTG
 ACCATCCCAACGTCATGAGGCTCATCGGTGTCTGTTCCAGGGTCTGAACGAGAGAGCTTCCCAGCACC
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 CCCCTAGCCCCGCTCAGCCTGCTGATAGGGGCTCCCCAGCAGCCCGAGGCGAGGAGGATGGTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220728 representing NM_001699
 Red=Cloning site Green=Tags(s)

MAWRCPMRGRVPLAWCLALCGWACMAPRGTQAEESPFVGNPGNITGARGLTGTLRCQLVQVQGPPEVHWL
 RDGQILELADSTQTVPLGEDEQDDWIVVSQLRITSLQLSDTGQYQCLVFLGHQTFVVSQPGYVGLGLPY
 FLEEPEDRTVAANTPFNLSCQAQGPPEVDLLWLQDAVPLATAPGHGQPSLHVPGLNKTSSFSCEAHNA
 KGVTTSRATITVLPQQPRNLHLVSRQPTLEVAVWTPGLSGIYPLTHCTLQAVLSDGDMGIQAGEPDPPE
 EPLTSQASVPPHQLRLGSLHPHTPYHIRVACTSSQGPSSWHLVETPEGVPLGPPENISATRNGSQAF
 VHWQEPRAPLQGTLLGYRLAYQGQDTPVELMDIGLRQEVTLLELQGDGVSNSLTVCAAYTAAGDGPWSLP
 VPLEAWRPVKEPSTPAFSWPWWYVLLGAVVAAACVLILALFLVHRRKKETRYGEVFEPTVERGELVVRYR
 VRKYSRRTTEATLNSLGISEELKEKLRDVMVDRHKVALGKTLGEGEFGAVMEGQLNQQDSILKVAVKTM
 KIAICTRSELEDLSEAVCMKEFDHPNVMRLIGVCFQGSERESFPAPVVILPFMKHGDLSFLLYSRLGD
 QPVYLPQMLVKFMADIASGMEYLSTKRFIHRDLAARNMMLNENMSVCVADFGLSKKIYNGDYRQGRIA
 KMPVKWIAIESLADRVTYKSDVWSFGVTMWEIATRGTTPYGVENSEIYDYLKQNRKQPADCLDGLY
 ALMSRCWELNPQDRPSFTELRELDLTKALPPAQEPDEILYVNMDEGGGYPEPPGAAGGADPPTQDPDK
 DSCSCLTAAEVHPAGRYVLCPSSTPSPAQPADRGSPAAPGQEDGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

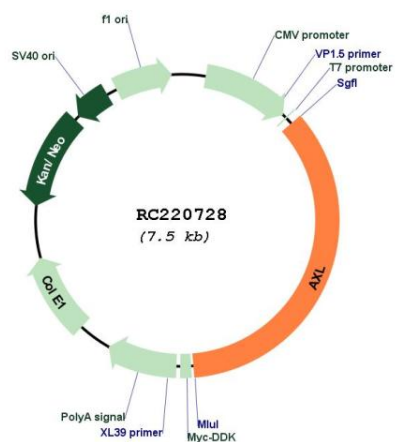
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001699
ORF Size:	2655 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.
RefSeq:	NM_001699.6
RefSeq Size:	4716 bp
RefSeq ORF:	2658 bp
Locus ID:	558
UniProt ID:	P30530
Cytogenetics:	19q13.2
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
MW:	97.4 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]

Product images:



Circular map for RC220728