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Product datasheet for SC125242

AXL (NM_001699) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AXL (NM_001699) Human Untagged Clone
Tag:	Tag Free
Symbol:	AXL
Synonyms:	ARK; JTK11; Tyro7; UFO
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001699, the custom clone sequence may differ by one or more nucleotides

ATGGCGTGGCGGTGCCCCAGGATGGGCAGGGTCCCGCTGGCCTGGTGCTTGGCGCTGTGCGGCTGGGCGT
GCATGGCCCCCAGGGGCACGCAGGCTGAAGAAAGTCCCTTCGTGGGCAACCCAGGGAATATCACAGGTGC
CCGGGGACTCACGGGCACCCTTCGGTGTCAGCTCCAGGTTCAGGGAGAGCCCCCCGAGGTACATTGGCTT
CGGGATGGACAGATCCTGGAGCTCGCGGACAGCACCCAGACCCAGGTGCCCCTGGGTGAGGATGAACAGG
ATGACTGGATAGTGGTCAGCCAGCTCAGAATCACCTCCCTGCAGCTTTCCGACACGGGACAGTACCAGTG
TTTGGTGTTTCTGGGACATCAGACCTTCGTGTCCCAGCCTGGCTATGTTGGGCTGGAGGGCTTGCCTTAC
TTCCTGGAGGAGCCCGAAGACAGGACTGTGGCCGCCAACACCCCCTTCAACCTGAGCTGCCAAGCTCAGG
GACCCCCAGAGCCCGTGGACCTACTCTGGCTCCAGGATGCTGTCCCCCTGGCCACGGCTCCAGGTCACGG
CCCCCAGCGCAGCCTGCATGTTCCAGGGCTGAACAAGACATCCTCTTTCTCCTGCGAAGCCCATAACGCC
AAGGGGGTCACCACATCCCGCACAGCCACCATCACAGTGCTCCCCCAGCAGCCCCGTAACCTCCACCTGG
TCTCCCGCCAACCCACGGAGCTGGAGGTGGCTTGGACTCCAGGCCTGAGCGGCATCTACCCCCTGACCCA
CTGCACCCTGCAGGCTGTGCTGTCAGACGATGGGATGGGCATCCAGGCGGGAGAACCAGACCCCCCAGAG
GAGCCCCTCACCTCGCAAGCATCCGTGCCCCCCCATCAGCTTCGGCTAGGCAGCCTCCATCCTCACACCC
CTTATCACATCCGCGTGGCATGCACCAGCAGCCAGGGCCCCTCATCCTGGACCCACTGGCTTCCTGTGGA
GACGCCGGAGGGAGTGCCCCTGGGCCCCCCTGAGAACATTAGTGCTACGCGGAATGGGAGCCAGGCCTTC
GTGCATTGGCAAGAGCCCCGGGCGCCCCTGCAGGGTACCCTGTTAGGGTACCGGCTGGCGTATCAAGGCC
AGGACACCCCAGAGGTGCTAATGGACATAGGGCTAAGGCAAGAGGTGACCCTGGAGCTGCAGGGGGACGG
GTCTGTGTCCAATCTGACAGTGTGTGTGGCAGCCTACACTGCTGCTGGGGATGGACCCTGGAGCCTCCCA
GTACCCCTGGAGGCCTGGCGCCCAGTGAAGGAACCTTCAACTCCTGCCTTCTCGTGGCCCTGGTGGTATG
TACTGCTAGGAGCAGTCGTGGCCGCTGCCTGTGTCCTCATCTTGGCTCTCTTCCTTGTCCACCGGCGAAA
GAAGGAGACCCGTTATGGAGAAGTGTTTGAACCAACAGTGGAAAGAGGTGAACTGGTAGTCAGGTACCGC
GTGCGCAAGTCCTACAGTCGTCGGACCACTGAAGCTACCTTGAACAGCCTGGGCATCAGTGAAGAGCTGA
AGGAGAAGCTGCGGGATGTGATGGTGGACCGGCACAAGGTGGCCCTGGGGAAGACTCTGGGAGAGGGAGA
GTTTGGAGCTGTGATGGAAGGCCAGCTCAACCAGGACGACTCCATCCTCAAGGTGGCTGTGAAGACGATG
AAGATTGCCATCTGCACGAGGTCAGAGCTGGAGGATTTCCTGAGTGAAGCGGTCTGCATGAAGGAATTTG
ACCATCCCAACGTCATGAGGCTCATCGGTGTCTGTTTCCAGGGTTCTGAACGAGAGAGCTTCCCAGCACC
TGTGGTCATCTTACCTTTCATGAAACATGGAGACCTACACAGCTTCCTCCTCTATTCCCGGCTCGGGGAC
CAGCCAGTGTACCTGCCCACTCAGATGCTAGTGAAGTTCATGGCAGACATCGCCAGTGGCATGGAGTATC
TGAGTACCAAGAGATTCATACACCGGGACCTGGCGGCCAGGAACTGCATGCTGAATGAGAACATGTCCGT
GTGTGTGGCGGACTTCGGGCTCTCCAAGAAGATCTACAATGGGGACTACTACCGCCAGGGACGTATCGCC
AAGATGCCAGTCAAGTGGATTGCCATTGAGAGTCTAGCTGACCGTGTCTACACCAGCAAGAGCGATGTGT
GGTCCTTCGGGGTGACAATGTGGGAGATTGCCACAAGAGGCCAAACCCCATATCCGGGCGTGGAGAACAG
CGAGATTTATGACTATCTGCGCCAGGGAAATCGCCTGAAGCAGCCTGCGGACTGTCTGGATGGACTGTAT
GCCTTGATGTCGCGGTGCTGGGAGCTAAATCCCCAGGACCGGCCAAGTTTTACAGAGCTGCGGGAAGATT
TGGAGAACACACTGAAGGCCTTGCCTCCTGCCCAGGAGCCTGACGAAATCCTCTATGTCAACATGGATGA
GGGTGGAGGTTATCCTGAACCCCCTGGAGCTGCAGGAGGAGCTGACCCCCCAACCCAGCCAGACCCTAAG
GATTCCTGTAGCTGCCTCACTGCGGCTGAGGTCCATCCTGCTGGACGCTATGTCCTCTGCCCTTCCACAA
CCCCTAGCCCCGCTCAGCCTGCTGATAGGGGCTCCCCAGCAGCCCCAGGGCAGGAGGATGGTGCCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001699 unedited
ACCTCGTAATACGCGAGACTATAGGGCGGCCGCGAATTCGGCACCAGAAGGGCCTCCCCT
GCCGCTGTGCCAGGCAGGCAGTGCCAAATCCGGGGAGCCTGGAGCTGGGGGGAGGGCCGG
GGACAGCCCGGCCCTGCCCCCTCCCCCGCTGGGAGCCCAGCAACTTCTGAGGAAAGTTTG
GCACCCATGGCGTGGCGGTGCCCCAGGATGGGCAGGGTCCCGCTGGCCTGGTGCTTGGCG
CTGTGCGGCTGGGCGTGCATGGCCCCCAGGGGCACGCAGGCTGAAGAAAGTCCCTTCGTG
GGCAACCCAGGGAATATCACAGGTGCCCGGGGACTCACGGGCACCCTTCGGTGTCAGCTC
CAGGTTCAGGGAGAGCCCCCCGAGGTACATTGGCTTCGGGATGGACAGATCCTGGAGCTC
GCGGACAGCACCCAGACCCAGGTGCCCCTGGGTGAGGATGAACAGGATGACTGGATAGTG
GTCAGCCAGCTCAGAATCACCTCCCTGCAGCTTTCCGACACGGGACAGTACCAGTGTTTG
GTGTTTCTGGGACATCAGACCTTCGTGTCCCAGCCTGGCTATGTTGGGCTGGAGGGCTTG
CCTTACTTTCTGGAGAAGCCCGAAGACAGGACTGTGGCCGCCAACACCCCCTTCNACCTG
AGCTGCCAAGCTCAGGGACCCCCAGAGCCCGTGGACCTACTCTGGCTCCAGGAAGCTGTC
CCCTTGCCACGGCTCAGGTCACGGCCCCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001699 unedited
ACTTCCAGGCCAGGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGATCTGTTC
AGGAAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTGTTTTTTTTTT
TTTTTTTTTGGTTTTTTTTTTTTTAGGCCTTAAAACCTTAGCACTTTAATAGAATTAGA
GACTTTGGAATTTCAGGTCCCTAAAACCAAAAACTCACAGCATCTTTGAAACCTAAAACC
TTTGAATCTAGACTCTTTAAACCTTGGACTCTAGAGTCTTGGAATGTTAACACCTGGGAG
GGCTTCAAATATTGCAATCCAACCCCTTCCTTTTACAGATGGGGATGCTACTGCTTTCAA
GGGGATGCTACTGCACAAAGAAGGGGAGGGACCTGTCTGGGATGGAGGTGGGATAGGTAG
GAAAACAGGGCTGCAAGTGGGGATAAGGCGTGGGGTGGGAAAATGGGAAGGTGGATTTTT
CCCCCGTGGCAGTGCTTAGCTTGGATCCTGAGAGGGGGTACCACGTGGGGGGTTGTTTTA
GGGACCATCCTCCTGCCCTGGGGCTGCTGGGGAGCCCCTATTAACAAGCTTAACGGGGCT
AGGGGTTGTGGAAGGGCAAAGGAAATATCGTCCAACAAGGGTGGACCTCACCCGCAGTGA
GGCGGCTCCAGGGATCCTTAAGGTCTGGCTGGGTTGAGGGGGCACCCTCTCCTGCGGCTT
CCGGGGGGTTAG

Restriction Sites: NotI-NotI

ACCN: NM_001699

Insert Size: 3500 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_001699.3, 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
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 (2) lacks an alternate in-frame exon in the 5' coding region compared to variant 1. It encodes isoform 2, which lacks an internal segment and is shorter than isoform 1.