

Product datasheet for **SC306319**

Ataxin 2 like (ATXN2L) (NM_148416) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ataxin 2 like (ATXN2L) (NM_148416) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATXN2L
Synonyms:	A2D; A2LG; A2LP; A2RP
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_148416, the custom clone sequence may differ by one or more nucleotides

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ATGTTGAAGCCTCAGCCGCTACAACAGCCCTCCCAGCCCCAGCAGCCGCCCCACGCAA
CAGGCCGTGGCCCGTCGGCCCCCGGGGACACCAGCCCTCCCAACGGCGGCCTCCCGGG
CCGCTGGCCACCTCTGCGGCTCCTCCCGGGCTCCAGCGGCCCTCCCCTGCCTGGGG
CCTGTGGCCGCTGCCGGGAGCGGGCTCCGCCGGGAGCCGAAGGCATCTTGGCGCCGAG
CCGCCGCCCGCAGCAACACCAGGAGAGGCCGGGGCAGCCGCCATCGGCAGCGCCAGG
GGACAGAGCACAGAAAGGGACCCACAGTCACCTGTGTTTGAAGGCGTCTACAACAAT
TCCAGAATGCTGCATTTCTTACAGCTGTTGTGGGCTCCACTTGTGATGTAAGGTGAAA
AATGGTACCATTATGAGGGTATCTTCAAGACGCTAAGCTCAAAGTTTGAAGTAGCCGTG
GATGCTGTGCACCGAAAAGCATCTGAGCCAGCAGGTGGCCCTCGTCGGGAGGACATTGTG
GACACCATGGTGTTTAAGCCAAGTGATGTCATGCTTGTCACTCCGAAATGTTGACTTC
AACTATGCTACTAAAGACAAGTTCACCGATTACGCCATTGCCATGAACTCGAAAGTGAAT
GGGGAACACAAAGAGAAGGTGCTTACGCGCTGGGAGGGGGGTGACAGCAACAGCGACGAC
TATGACCTCGAGTCTGACATGTCCAATGGATGGGACCCCAATGAAATGTTCAAGTTCAAT
GAGGAGAACTACGGTGTGAAGACTACCTATGATAGCAGTCTTTCTTATACGGTGCCC
TTAGAAAAGGACAACTCAGAAGAGTTTCGTGAGCGAGAGCTGCGTGCCGCCAGTTGGCT
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CCTCGTGGCCCTCACCATCTGGACAACAGCAGCCCTGGCCAGGTTCTGAGGCCCGTGGT
ATCAATGGAGGCCCTCCCGCATGTCCCAAAGGCACAGCGGCCCTGAGAGGTGCCAAG
ACTCTGTCTTCGCCAGTAATAGGCCTTCTGGAGAACTTCTGTTCCACCTCCTCCTGCA
GTGGGCCGGATGTATCCCCCGCTTCTCCAAGTCTGCTGCCCTGCCCAATCTCAGCT
TCCTGTCCAGAGCCTCCATCGGCTCGGCAGTGCCAACCTCTTACGCCTCCATCCCTGTG
ACCTCATCAGTCTCAGATCCTGGAGTGGGCTCCATTTCTCCAGCTTCTCAAAGATCTCC
CTGGCCCCCAGATGTAAGAAGTCTCTACCAAGGAACCTGGGAGAACTCTGGAGCCC
CAGGAGCTGGCTCGGATAGCTGGGAAAGTCCCTGGTCTTCAAGATGAACAGAAACGATTC
CAACTGGAAGAACTGAGAAAGTTTGGGGCCAGTTAAGCTTTCAGCCAGTAGCTCCCCT
GAGAACAGCCTGGATCCTTTCTCCCGGATCTTAAAGGAGGAGCCCAAAGGAAAGGAG

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AAAGAGGTTGATGGTCTGTTGACTTCAGAGCCCATGGGGTCTCCCGTCTCCTCCAAGACA
GAGTCCGTATCGGATAAGGAGGACAAACCACCCCTGGCACCATCAGGAGGCACTGAGGGG
CCAGAGCAGCCCCACCACCTTGTCCAAGCCAACTGGCAGCCCCCGGTGGGCCATC
AAGGGAGAAGACAAAGATGAGGGCCCTGTTGCTGAACAAGTAAAGAAATCAACGTTGAAC
CCTAATGCTAAGGAGTTCAATCTACAAAGCCTCTGCTGTCTGTGAATAAATCCACCAGT
ACCCAACTTCTCCGGGGCCCCGGACTCATTCAACTCCCTCCATCCCGGTGCTGACAGCA
GGCCAGAGTGGGCTATACAGCCCCAGTACATCTCTACATACCTCAGATCCACATGGGA
CCAGCTGTGCAGGCACCTCAGATGTATCCATATCCTGTATCCAATTCAGTGCCTGGGCAG
CAGGGCAAGTACCGGGGAGCAAAAGGCTCCCTTCTCCGAGCGCTCGGACCAACACCAG
CCAGCCTCAGCCCCGCCGATGATGCAGGCCGCCGGCTGCTGGCCCCCTCTGGTGGCT
GCCACGCCCTATTCTTCTACATCCCCTACAACCCTCAGCAGTTCAGGCCAGCCAGCCAGCC
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AACCCACGCATGTGACGTGGGCAGCCATCCCCAGGCCATCGTGTATCCTCTACCCCT
CAGTACCCTTCTGCAGAGCAGCCTACCCCCAAGCCCTTATGCCACTGTTACCAGTCC
TACCCACACCATGCCACACAGCTCCATGCCACCAGCCGAGCCGGCTACCACGCCTACT
GGAAGCCAGCCGAGTCCAGCATGCGGCCCCAGTCTGTCCAGCATCAGGCGGGGCGAG
GCCCCACACTTGGGCAGTGGACAGCCACAGCAGAATCTGTACCACCCAGGGGCCCTGACA
GGCAGCGCCGCCCTCTCTGCCACCGGGACCTTCTGCCAGTCCCCTCAGAGCAGCTTCCCC
CAGCCAGCCGCTGTGTATGCCATCCACCACCAGCAGTGGCCCCACGGCTTACCAACATG
GCCCATGTTACCCAGGCCCATGTCCAACTGGAATCACAGCAGCCCCGCCCTCACCCCT
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CCCCAAGGCGCGGTGCCCCAGAGTGGGGTGCCTGCACTCTCAGCTTCCACACCCTACCC
TACCCCTACATCGGACACCCCCAAGCTCCCTTCCACCCCGGGGAAGTGAAGATTGTC
CTGGCCCGGACCTGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_148416
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_148416.1](#), [NP_680782.1](#)
- RefSeq Size:** 3758 bp

RefSeq ORF: 3135 bp

Locus ID: 11273

UniProt ID: [Q8WWM7](#)

Cytogenetics: 16p11.2

Gene Summary: This gene encodes an ataxin type 2 related protein of unknown function. This protein is a member of the spinocerebellar ataxia (SCAs) family, which is associated with a complex group of neurodegenerative disorders. Several alternatively spliced transcripts encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (E) lacks a segment of the 3' coding region and 3' UTR, compared to transcript variant A. The resulting protein (isoform E) has a distinct C-terminus, compared to isoform A.