

## Product datasheet for **SC306263**

### Ataxin 2 like (ATXN2L) (NM\_145714) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ataxin 2 like (ATXN2L) (NM_145714) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ataxin 2 like
Synonyms:	A2D; A2LG; A2LP; A2RP
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145714, the custom clone sequence may differ by one or more nucleotides

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ATGTTGAAGCCTCAGCCGCTACAACAGCCCTCCCAGCCCCAGCAGCCGCCCCACGCAA
CAGGCCGTGGCCCGTCGGCCCCCGGGGCACCAGCCCTCCCAACGGCGGCCTCCCGGG
CCGCTGGCCACCTCTGCGGCTCCTCCCGGGCTCCAGCGGCCCTCCCCTGCCTGGGG
CCTGTGGCCGCTGCCGGGAGCGGGCTCCGCCGGGAGCCGAAGGCATCTTGGCGCCGAG
CCGCCGCCCGCAGCAACACCAGGAGAGGCCGGGGCAGCCGCATCGGCAGCGCCAGG
GGACAGAGCACAGAAAGGGACCCACAGTCACCTGTGTTTGAAGGCGTCTACAACAAT
TCCAGAATGCTGCATTTCTTACAGCTGTTGTGGGCTCCACTTGTGATGTAAGGTGAAA
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GACACCATGGTGTTTAAGCCAAGTGATGTCATGCTTGTCACTCCGAAATGTTGACTTC
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GGGGAACACAAAGAGAAGGTGCTTACGCGCTGGGAGGGGGGTGACAGCAACAGCGACGAC
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ATCAATGGAGGCCCTCCCGCATGTCCCAAAGGCACAGCGGCCCTGAGAGGTGCCAAG
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GTGGGCCGGATGTATCCCCCGCTTCTCCAAGTCTGCTGCCCTGCCCAATCTCAGCT
TCCTGTCCAGAGCCTCCATCGGCTCGGCAGTGCCAACCTCTTACGCCTCCATCCCTGTG
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CAGGAGCTGGCTCGGATAGCTGGGAAAGTCCCTGGTCTTCAAGATGAACAGAAACGATTC
CAACTGGAAGAACTGAGAAAGTTTGGGGCCAGTTAAGCTTTCAGCCCAGTAGCTCCCCT
GAGAACAGCCTGGATCCTTTCTCCCGGATCTTAAAGGAGGAGCCCAAAGGAAAGGAG

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AAAGAGGTTGATGGTCTGTTGACTTCAGAGCCCATGGGGTCTCCCGTCTCCTCCAAGACA
GAGTCCGTATCGGATAAGGAGGACAAACCACCCCTGGCACCATCAGGAGGCACTGAGGGG
CCAGAGCAGCCCCACCACCTTGTCCAAGCCAACTGGCAGCCCCCGGTGGGCCATC
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CCTAATGCTAAGGAGTTCAATCTACAAAGCCTCTGCTGTCTGTGAATAAATCCACCAGT
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CCAGCCTCAGCCCCGCCGATGATGCAGGCCGCCGGCTGCTGGCCCCCTCTGGTGGCT
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AACCCACGCATGTGACGTGGGCAGCCATCCCCAGGCCATCGTGTATCCTCTACCCCT
CAGTACCCTTCTGCAGAGCAGCCTACCCCCAAGCCCTTATGCCACTGTTACCAGTCC
TACCCACACCATGCCACACAGCTCCATGCCACCAGCCGAGCCGGCTACCACGCCTACT
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GCCCCACACTTGGGCAGTGGACAGCCACAGCAGAATCTGTACCACCCAGGGGCCCTGACA
GGCAGCGCCGCCCTCTCTGCCACCGGGACCTTCTGCCAGTCCCCTCAGAGCAGTTCCTCC
CAGCCAGCCGCTGTGTATGCCATCCACCACCAGCAGTGGCCCCACGGCTTACCAACATG
GCCCATGTTACCCAGGCCCATGTCCAACTGGAATCACAGCAGCCCCGCCCTCACCCCT
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CCCCAAGGCGCGGTGCCCCAGAGTGGGGTGCCTGCACTCTCAGCTTCCACACCCTACCC
TACCCCTACATCGGACACCCCCAAGGTGAGCAGCCTGGCCAGGCGCTGGATTTCCAGGA
GGAGCCGATGACAGGATTCCTCCCTTCCACCCCCGGGAAGTGAAGATTGTCTGGCC
GCGACCTGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM\_145714
- 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\\_145714.1](#), [NP\\_663760.1](#)
- RefSeq Size:** 3805 bp

RefSeq ORF: 3189 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 (B) lacks a segment of the 3' coding region and 3' UTR, compared to transcript variant A. The resulting protein (isoform B) has a shorter, distinct C-terminus, compared to isoform A.