

Product datasheet for **SC337953**

ASTN1 (NM_001286164) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASTN1 (NM_001286164) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASTN1
Synonyms:	ASTN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286164, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTTAGCCGGGCTCTGCGCCCTGCTCGCCTGCTGCTGCGGGGCCGGCGGCGGTGCTGGCCACGGCCG  
CCGGCGACGTGGATCCATCCAAGGAGCTGGAGTGCAAGCTCAAAAGCATCACGGTGTGCGCACTGCCCTT  
CCTGCGCGAGAACGACCTGAGCATCATGCACAGCCCTCGGCCTCGGAGCCCAAGCTCCTCTTCGGTG  
CGCAACGACTTCCCGGGAGAAATGGTCGTGGTGGACGACCTGGAGAACACGGAGCTGCCCTACTTCGTGC  
TGGAGATCTCAGGAACACAGAGGATATCCCTTTGGTGCCTGGAGGCAGCAGTGGCTGGAGAATGGCAC  
TTTGCTTTTTACATTCATCACCAAGATGGTGCCCAAGCCTTCTGGACAAGACCCCACTGAAGAACC  
CAACATGAGTCGGCAGAAGAGGAGCTGAGGATCCTCCACATCTCAGTCATGGGTGGCATGATCGCTCTGC  
TGCTGTCCATCTTGTGCCTGGTGTGATGATCCTGTATACTCGCCGGCGCTGGTGCAAACGCCCGGGTCCC  
GCAGCCCCAGAAGAGTGCCAGTGTGAGGCAGCCAATGAGATTCACATTCCTTCTGTGCTGATCGGC  
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GGGAGACACCTATCCTGGACGGCTATGAGTATGACATCACTGATCTGCGCCACCATCTGCAGAGGGAGTG  
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ACAGAGGCAGAAAACGACCCCGCTGACCTTTTACACGGATCCTTCAAGGAGCAGGAGGCGTAGTAGAG  
TGGGTTCTCCCCGAAGTCTGTGAATAAGACCCTTGACCCTGATCAGCATCACCAGCTGTGTGATTGG  
CCTCGTGTCTCTCACGTCAACTGCCCTCTCGTTGTCAAGATCACCTGCATGTCCCTGAGCACCTG  
ATTGCTGATGGGAGCCGCTTCACTTGTGCTGGAGGGAGCCAGCTGGATGCCAGTGACTGGCTGAACCCTG  
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CCTGGACCCTGTGAACACCAATGTGACCCGAAACTGGGGAATGCCTCTGCTATGAAGGCTACATGAAG  
GATCCAGTACATAAGCACCTTTGCATTGCAACGAATGGGGACAACCAGGGGCCATGGCCTTACACAA  
TATTTACGGAGGCTTTGACCTGGTTTTGGGAGAGCAGCCCTCTGATAAAATATTTAGATTACCTACAC
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TCTTGGGGAGGGCATGTGGTTGCCCTCAGCAAGAGCTTTGTGATTCCACCAGCCGAAGTGGCCATCAAT
 CCATCAGCAAAGTGCAAGACGGACATGACTGTGATGGAGGATGCTGTGGAGGTGACAGAGGAGCTGATGA
 TTTCATCTCCTTCGACAGCCTGGAGGTTCTCTTAGATTCCTTTGGGCCGGTGCAGGACTGCAGCAAAGA
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 GCCGGTTCTGCTGGAGGTGACCAAAGCAGCCCATCTATGAACTAGTGACCAACAACCAGACCCAGAGG
 CTCTTGACAGGAGGCTACCATGAGCTCTCTGTTGCTCAGGGACTGGAGATGTCATCGAGGACTGGTGTG
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 ACTCTCCACGGTTCACGAGCCCAGCAGCACTCTTGTGGTCTGGAGTGGGAACACTCAGAGCCCAACATC
 GGGGTGCAGATTGTAGATTACCTCCTCCGTCAAGAGAAAGTCACTGACAGGATGGACCACCTCCAAAGTGG
 AGACAGAAACAGTGTGAGCTTTGTGGAGCAGATCATCTCTGGAGCAAAGTCTCCTTGTGCAATGCCATC
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 ATGTTACGCTGTGGGAGTGGACAACACAGGACGGCGCTCCAGGCCAAGCGACGTGATCGTGAAGACCC
 CATGCCCCGTGGTGGATGATGTCAAGGCTCAAGAAATAGCAGACAAGATCTACAATCTCTTCAATGGCTA
 CACTAGTGGGAAGGAGCAGCAGACCCCTACAACACCCTCTGGATCTGGGTTCCCCACCTTACACCGG
 GTCCTTACCCTATAACCAGCACTATGAGAGTTTTGGGGAATCACCTGGCGATGTGAGGATGAGTTAG
 GTCACAGGCTTCCAGCGTGTGGACAGTCAGAGGAGTTGTAGTGA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001286164
- 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_001286164.1](#), [NP_001273093.1](#)

RefSeq Size: 4221 bp

RefSeq ORF: 3687 bp

Locus ID: 460

Cytogenetics: 1q25.2

Protein Families: Transmembrane

Gene Summary: Astrotactin is a neuronal adhesion molecule required for glial-guided migration of young postmitotic neuroblasts in cortical regions of developing brain, including cerebrum, hippocampus, cerebellum, and olfactory bulb (Fink et al., 1995).[supplied by OMIM, Jun 2009]
Transcript Variant: This variant (3) differs in the 3' UTR and uses an alternate exon in the 3' coding region. The encoded isoform (3) is shorter and has a distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.