

## Product datasheet for RC229961

### ASTN2 (NM\_001184734) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ASTN2 (NM_001184734) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ASTN2
Synonyms:	bA67K19.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229961 representing NM_001184734 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCTTCATCACCTACCTCTCAGTTTGCTGACAGCCAGATGCTGTCAGATGACCAGCTCATTTGAG  
GTGTGGAGATTCGCTGTGAGGAGAAGGGGCGCTGCCATCTACCTGTACCTTTGCCGCCGAGGCAA  
GGAGCAGCTGAGCCCCACACCAGTGTCTGCTGAAATCAACCGTGGTGCCTTTATACCTCATCCAA  
GACAATGGCACAAGGAGGCCTCAAGAGTGCCTGATGAGTTCTACTGGTCTCAGGAAAGGGGATG  
TGATCGATGACTGGTGCAGGTGTGACCTCAGCGCCTTTGATGCCAATGGGCTCCCAACTGCAGCCCCT  
TCTGCAGCCGGTGTGCGGCTGTCCCAACAGTGGAGCCCTCCAGTACTGTGGTCTCCTTGAGTGGGTG  
GATGTTACGCCAGCTATTGGGACCAAGGTCTCCGACTATATTCTGCAGCATAAGAAAGTGGATGAATACA  
CAGACACTGACCTGTACACAGGAGAATTCCTGAGTTTTGCTGATGACTTACTCTCTGGCCTGGGCACATC  
TTGTGTAGCAGCTGGTCGAAGCCATGGAGAGTCCCTGAAGTCAGTATCTACTCAGTCATCTTCAAGTGT  
CTGGAGCCCGACGGTCTCTACAAGTCACTCTGTATGCTGTGGATACACGAGGGAGGCACTCAGAGCTAA  
GCACGGTGACCTGAGGACGGCCTGTCCACTGGTATGACAACAAGGCAGAAGAAATAGCTGACAAGAT  
CTACAATCTGTACAATGGGTACACAAGTGGAAAGGAGCAGCAGATGGCCTACAACACACTGATGGAGTCT  
TCAGCCTCGATGCTGTTCCGAGTCCAGCACCCTACAACCTCACTATGAAAAGTTGGCGACTTCGCT  
GGAGAAGTGAGGATGAGCTGGGGCCAGGAAGGCCACCTGATTCTACGGCGACTGGAGAGGGTGAGTAG  
CCTACTGCTCCAGCCTCCTGCGGAGTGCCTACATCCAGAGCCGCTGGAACAGTGCCTATCTTTCTGC  
CGCAGCGAGGAGGTCCGGCTGCAGGCATGGTGTGGTATAGCATCCTCAAGGACACCAAAATCACGTATA  
TTATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001184734.1](#), [NP\\_001171663.1](#)

**RefSeq ORF:** 1128 bp

**Locus ID:** 23245

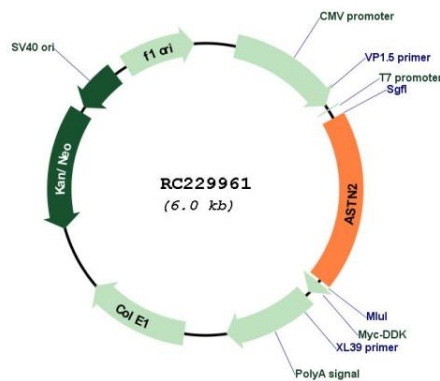
**Cytogenetics:** 9q33.1

**Protein Families:** Transmembrane

**MW:** 42.7 kDa

**Gene Summary:** This gene encodes a protein that is expressed in the brain and may function in neuronal migration, based on functional studies of the related astrotactin 1 gene in human and mouse. A deletion at this locus has been associated with schizophrenia. Multiple transcript variants encoding different proteins have been found for this locus. [provided by RefSeq, May 2010]

### Product images:



Circular map for RC229961