

## Product datasheet for RN217599

### Astn2 (NM\_001271363) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Astn2 (NM_001271363) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Astn2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217599 representing NM_001271363 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGGCTGCCGCCGGCGCCCGCGCAGCCCGGGCCCGGCTTGGGGCTTCGGGGCGGCCGAGGCTCCGCT  
TCCACCCGGGGCCGCCGCCACCGCCACTGCCGCTGCTGTTGCTGTTTCTGCTCTTGCTGCCGCCGCC  
GCCGTTGCTGGCCGGCGCCACCGCCCGCCGCTCGCGGAGCCGACAGCCCATGCCGCTCAAGACT  
GTCACGGTATCCACGCTGCCCGCTCGCGGAAAAGCGACATCGGCTGGAGCGGTGCCCGCCGGGGCCG  
CGGCCGGGGCTGGGGCCGGGACCGGAGCCGGGGCCGGAGCTTCTGCTGCTGCCGCCGCTGCTGCCGCCG  
GTCCCGGGCTCCGCGGGTTCAGCCGGTACAGCCGCGGAGTCTCGTCTCCTGCTCTTTGTGCGTAACGAG  
CTCCCTGGGCGCATCGCGGTACAAGATGACCTGGACAACACCGAGCTGCCCTTCTCACCTGGAGATGT  
CTGGCACAGCAGCGGACATTTCTGTTGTTCACTGGAGACAGCAGTGGCTGGAGAATGGCACACTGTACTT  
CCATGTTTCCATGAGCAGCTCTGGGCGAGTGGCCAGGCCACTGCTCCACACTGCAGGAGCCCTCAGAA  
ATCGTTGAAGAAGCAGCTGCATATCCTCCACATCTCTGTGATGGTGGACTCATTGCACTGCTCCTTTTGC  
TCCTGGTGTTCACAGTGGCATTGTATGCCAACGGCGCTGGCAGAAGCGCAGGCGCATCCCACAGAAGAG  
CGCAAGCACAGAAGCCACTCATGAGATTAACATCCCATCTGTGCTGCTCGGTCTCAGGCCAGGGAG  
AGCTTCCGCTCCACCAGACTACAGGCACACAACCTCAGTCATCGGTGTGCCTATCCGGGAAAACCCCATCC  
TAGATGACTATGACTATGAAGAGGAAGAGGACCCACCCAGGCGGGCCAACCATGTCTCCCGTGAGGATGA  
GTTTGATAGCCAGATGACCCATGCCCTGGACAGCTTGGGAAGGCCAGGAGAAGAGAAAGTGGAAATTTGAG  
AAGAAAGCAGCAGCTGAGGCGACACAGGAGACAGTGGAGTCCCTGATGCAGAAGTTCAAGGAGAGTTTCC  
GAGCTAACACACCTGTGGAGATCGGTCAATTGCAGCCAGCCTCGCGCAGCAGCACCTCTGCAGGGAAGAG  
GAAACGGGGAACAAGTCTCGAGGGGAATCAGTTTTGGGAGAACCAAGGAACATCAGGCTCAGAAGCA  
GATGACGAAACACAGCTGACGTTCTACACAGAGCAGTACCGCAGTCCCGCCGCGCAGCAAAGTTTACTGA  
AAAGCCCTGTGAACAAGACAGCCTTAACACTGATTGCTGTGCTCAGCTCCTGCATTTTGGCCATGGTGTGG  
CAACCAGATGTCTGTCCACTTACTGTGAAGGTGACTTTGCATGTGCCGAGCACTTCATTGCAGATGGA  
AGCAGCTTTGTGGTGAAGGAAAGCTACCTGGATATCTCTGACTGGCTAAACCCTGCCAAGCTGTCTT  
TGTACTACCAGATCAATGCCACCTACCATGGGTGAGAGACCTCTGTGGACAGAGGACGACAGATGCCTG  
TGAACAGCTTTGTGACCCAGAACTGGGGAGTGCAGTTGTACGAAGGTTACGCCCTGACCCAGTCCAC



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AGACATCTATGTATCCGAAGTACTGGGGTCAAAGTGAAGGACCTTGGCCTTACACAACACTGGAGAGGG  
 GTTATGATCTGGTGACAGGAGAGCAAGCCCTGAAAAGATTCTCAGGTCTACTTTAGCTTTGGCCAAGG  
 CCTCTGGCTTCCGGTCAGCAAAAGCTTCGTGGTCCACCGGTGGAGCTGTCCATCAACCCCTGGCAAGT  
 TGCAAGACTGATGACTCGTCACAGAAGACCCTGCAGATGTCAGGGAAGAAGCAATGCTGTCCACGACT  
 TTGAGACCATCAATGACCTGCTCCTCCTTTGGTCCAGTCCGTGACTGCTCAAGGAACAATGGGGCTG  
 CACCCGCAACTTCAAGTGTGTCTGACCGCCAGGTGGACTCCTCGGGATGTGTGTCTCTGAGGAAGT  
 AAGCCCAATGAAGGATGGTCCGGCTGCTATGATCACTCCAAGGGCATTGACTGCTGTGATGGCTTTAATG  
 GAGGGTGTGAGCAGCTTTGCCTACAACAACAATGCCTTTGCCTATGATGCCACCTCCAGCACCATCTT  
 CATGTTCTGCGGCTGTGTGGAGGAGTACAAGCTGGCTCCTGATGGGAAATCCTGTCTAATGCTCTCGGAT  
 GTCTGTGACGGCCCAAGTGCCTCAAATCTGACTCCAATTTCAATGATACCCTCTTTGGAGAGATGCTAC  
 ATGTTTACAACAACCGGACACAACATGTAACCAAGGCCAAGTCTTCAAATGACATTGAGGAGAACA  
 CTTTCATCAAGGACTTTCCCGAGTGGCGGATGGACTGTTGGTGTATCCCGTACCAGTGGAGAGCAATGC  
 CGAGGGTTCTCTCTGAGCCCTCCAGACCTCAGTCTCACGGGAGACATCAGGTATGACGAGGCCA  
 TGGTTACCCATGGTGCAGCAGTGGCGTGTCCGGAGCAACCTCTATCGTGTGAAGTGTGATACCATCAC  
 CCTCTCAGCAGGCTTACGAATGCTCTAAAGATCTGACCAAGAGAGCAGTCCGGATGAGCTGCTCTCC  
 TTCATCCAGCACTATGGCTCCCACTACATTGCAGAGGCTCTGTATGGTTCTGAACACTCTGCATCATCC  
 ATTTTCCAGCAAGAAGGTCCAGCAGCAGCTATGGCTCCAGTATCAGAAAAGAGACCAGGAGCTGGGCGAG  
 CAAGAAGGAGCTCAAGTCCATGCCCTTCATCACCTACCTCTCTGGTCTACTGACAGCCCAGATGCTATCA  
 GATGACCAACTCATCTCAGGTGTGGAGATTCGATGTGAGGAAAAGGGCCGCTGTCCATCTACCTGTCCACC  
 TTTGCCGCCGGCCAGGCAAGAACAAGCTGAGCCCCACACCAGTGTCTGGAGATTAACCGTGTGGTGCC  
 ACTTTACACCCCTCATCAAGACAATGGCACAAGGAGGCCCTTCAAGAATGCACTGATGAGTTCTTACTGG  
 TGTCTGGTAAAGGAGATGTGATCGATGACTGGTGCAGGTGACCTCAGTGCCTTCGATGCCAGTGGAC  
 TTCCCAATTGTAGCCCCCTTCCACAGCCGGTGTACGACTTTCTCAACAGTGGAACTTCCAGCACTGT  
 GGTTTCCCTGGAGTGGATAGATGTTCCAGCCAGCCATTGGAACCAAGTTTCTGACTATATCTGCAGCAC  
 AAGAAAAGTGGATGAATACACAGACTGACCTCTACACAGGAGAATTCTGAGTTTTGCTGATGACTTAC  
 TCTCTGGCCTGGGCACATCTTGTGTAGCTGCTGGTCAAGCCACGGAGAGGTCCCGGAAGTCAAGTATCTA  
 CTCGGTGTCTTCAAGTGCCTGGAGCCAGATGGCCTTTACAAGTTCACCTGTATGCCGTGGATACTCGA  
 GGGAGGCACTCAGAGCTCAGCACAGTACTCTAAGAACAGCTTGTCCACTGGTAGATGACAACAAAGCAG  
 AAGAGATAGTGACAAGATTTACAATCTATAAATGGTTACACCAGTGGCAAGGAACAGCAGACTGCTTA  
 CAACACACTGATGGAAGTCTCTGCCTCCATGCTCTCCGAGTCCAGCACCACTACAACCTCACTATGAA  
 AAGTTTGGTATTTCGTCTGGAGGAGTGGATGAGCTGGGACCGAGGAAGGCTCATTTGATTCTGCGGC  
 GGCTGGAGAGGGTCCAGCAGCCATTGTTCTAGTCTTTGAGAAGCCCTACATCCAGAGTCTGTGGATAC  
 CATAACCCTATCTCTTCTGCCGAGTGGAGGTCGGCCCTGCAGGAATGGTGTGGTACAGCATCCTCAAA  
 GACACCAAAATCACATGTGAGGAGAAGTGGTGTCCATGGCCCGAAACACGTATGGGGAAACCAAGGCC  
 GGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001271363
- Insert Size:** 4065 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001271363.1</a></u> , <u><a href="#">NP_001258292.1</a></u>
<b>RefSeq Size:</b>	4229 bp
<b>RefSeq ORF:</b>	4065 bp
<b>Locus ID:</b>	100361323
<b>Cytogenetics:</b>	5q24