

## Product datasheet for **SC305303**

### AMN (NM\_030943) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AMN (NM_030943) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMN
Synonyms:	amniotless; IGS2; PRO1028
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_030943 edited  
 GTCTCCTGGTGGGGTGCAAGGAGCCGAGGCGAGATGGGCGTCCTGGGCCGGGTCCTGCTG  
 TGGCTGCAGCTCTGCGCACTGACCCAGGCGGTCTCCAACTCTGGGTCCCAACACGGAC  
 TTCGACGTGCGAGCAACTGGAGCCAGAACCGGACCCCGTGCGCCGGCGGCGCCGTTGAG  
 TTCCCGGGCGACAAGATGGTGTCACTGCTGGTGAAGAAGGTACGCCGTCTCAGACATG  
 CTCTGCGCGTGGATGGGAACTCGTCTGGCTCAGGAGCCGGATTTCGGCGTCTCAGAC  
 GTGGGCTGCGACCTGGACTGTGGCGCGGCGAACCTGCCGTCTTCCGCGACTCTGACCCG  
 TTCTCCTGGCATGACCCGCACCTGTGGCGCTCTGGGACGAGGCACCTGGCCTCTTCTTC  
 GTGGACGCCGAGCGCGTGCCTGCCGCCACGACGACGTCTTCTTCCGCCTAGTGCTCCTC  
 TTCCGCGTGGGGCTCGGCCCTGGCGCTAGCCCCGTGCGTGTCCGCAGCATCTCGGCTCTG  
 GGCCGGACGTTACGCGCGACGAGGATCTGGCTGTTTTCTGGCGTCCCGCGGGGCCGC  
 CTACGCTTCCACGGGCCGGCGCGCTGAGCGTGGGCCCGAGGACTGCGCGGACCCGTCG  
 GGCTGCGTCTGCGCAACGCGGAGGCGCAGCCGTGGATCTGCGCGGCCCTGCTCCAGCCC  
 CTGGGCGGCCGCTGCCCCAGGCCGCTGCCACAGCGCCCTCCGGCCCCAGGGGCGAGTGC  
 TGTGACCTCTGTGAGCCGTTGTGTTGCTGACCCACGGCCCCGCAATTTGACCTGGAGCGG  
 TACCGGGCGCGGATACTGGACACCTTCTGGGTCTGCCTCAGTACCACGGGCTGCAGGTG  
 GCCGTGTCCAAGGTGCCACGCTCGTCCCGCTCCGTGAGGCCGATACGGAGATCCAGGTG  
 GTGCTGGTGGAGAATGGGCCGAGACAGGCGGAGCGGGCGGCTGGCCCGGGCCCTCCTG  
 GCGGACGTCGCCGAGAACGGCGAGGCCCTCGGCGTCTGGAGGCGACCATGCGGGAGTCG  
 GGCGCACACGCTGGGGCAGCTCCGCGGCTGGGCTGGCGGGCGGCGTGGCGGCTGCCGTG  
 CTGCTGGCGTCTGTTCTGCTGGTGGCGCCCGCTGCTGCGCCGCGCGGGGAGGTC  
 AGGTGGAGGAGGACAGAGGCGGCGCCCGCTGGAGCGCCCTCGGCTTCCGCAACCCG  
 GTGTTGACGTCGACGGCTCCGAGGAGCTGCCCTGCCGCGGCGGCTCAGCTGGTTCCG  
 AAGGCGGCCGACAGCAGCACAGCCAGTACTTTCGTC AACCCCTCTGTTGCGCCGGGCC  
 GAGGCCGAGGCCCTGAGCGGCCGCTGACCGTCGACCTTGGGGCTCTCACCCCTCTGGC  
 CCCAGTCGAACTGGGGCTAGCCACCTCCTCGTCCAGCCCCAAACCTCCCCTTCTTTTC  
 CCCCTCTCCGGGGCCAAAGGACAGGGTGGCCTTACTCAGTAAAGGTGTTTCTGCACCT  
 GCCAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_030943

**Insert Size:** 1580 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_030943.1.

**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\\_030943.1](#), [NP\\_112205.1](#)

**RefSeq Size:** 1896 bp

**RefSeq ORF:** 1362 bp

**Locus ID:** 81693

**UniProt ID:** [Q9BXJ7](#)

**Cytogenetics:** 14q32.32

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** The protein encoded by this gene is a type I transmembrane protein. It is thought to modulate bone morphogenetic protein (BMP) receptor function by serving as an accessory or coreceptor, and thus facilitates or hinders BMP binding. It is known that the mouse AMN gene is expressed in the extraembryonic visceral endoderm layer during gastrulation, but it is found to be mutated in amnionless mouse. The encoded protein has sequence similarity to short gastrulation (Sog) and procollagen IIA proteins in Drosophila. [provided by RefSeq, Jul 2008]