

## Product datasheet for SC208745

### Annexin VII (ANXA7) (NM\_004034) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Annexin VII (ANXA7) (NM\_004034) Human 3' UTR Clone  
**Symbol:** Annexin VII  
**Synonyms:** ANX7; SNX; SYNEXIN  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_004034  
**Insert Size:** 1024 bp  
**Insert Sequence:** >SC208745 3'UTR clone of NM\_004034  
 The sequence shown below is from the reference sequence of NM\_004034. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGACTTCTTCTGGCTATTGTGGGCCAGTAGGAGGGATTTTTTTTTTTTAAATGAAAAAAAAATTTCTATT
CATAGCTTATCCTTCAGAGCAATGACCTGCATGCAGCAATATCAAACATCAGCTAACCGAAAGAGCTTT
CTGTCAAGGACCGTATCAGGGAATGTGCTTGGTTTGCACATGTTGTTATTGCCTTAATTCTAATTTTA
TTTTGTTCTCTACATAATCAATGTAAAGCCATATCACAATGATACAGTAATATTGCAATGTTTGTAA
ACCTTCATTCTTACTAGTTTCATTCTAATCAAGATGTCAAATTGAATAAAAATCAGCAATCTCTGAT
TCTGTGTAATAATATTGAATAATTTTTAGAAAGTTACTGAAAGCTCTGCCTTCCGGAATCCCTCTAAG
TCTGCTTGATAGAGTGGATAGTGTGTTAAAAGTGTGACTTTAAAAAAAATTCACCTTTACATCTAG
AATAATTTGCATCTCATTTTGCCTAAATGGTTCTGTATTATAAACACTTTCCACATAGAAAATAGAT
TAGTATTACCTGTGGCACCTTTTAAAGAAAGGTCAAATGTTTATATGCTTAAGATACATAGCCTACTTT
TTTTTCGAGTTGTTTTCTTTTTTAAATTGAGTTATGACAAAATAAAAAATTGCATATATTTAAGGTG
ACAATATGGTGTGTTTATATCAGCATTCCCTTGTGTAATGATTCCACAATTAAGGTCAGGCTAATTACGT
ATCTGTACCTTGACATAGTTACCATTTTTTCATGTGTGGTGAACACTTAAGATCTACTACCTTAGC
AAATTTTAAGTGTTTCAGTACATTATTAACCTATAGATACTGTGCTCTACATTAACCTCTAGCATTTTATT
CGTTTTATAACTGAAAGTTTATACCCTTTGACCAACATCTCCCCATTTTCCCCACCTCTCACCTGGACA
ACCACCACTGTGTTAAGTTCAGCTATTTTAGATTCCACGTATAAATGGTATAACAATA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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**Restriction Sites:** Sgfl-Mlul



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_004034.4</a>
<b>Summary:</b>	Annexin VII is a member of the annexin family of calcium-dependent phospholipid binding proteins. The Annexin VII gene contains 14 exons and spans approximately 34 kb of DNA. An alternatively spliced cassette exon results in two mRNA transcripts of 2.0 and 2.4 kb which are predicted to generate two protein isoforms differing in their N-terminal domain. The alternative splicing event is tissue specific and the mRNA containing the cassette exon is prevalent in brain, heart and skeletal muscle. The transcripts also differ in their 3'-non coding regions by the use of two alternative poly(A) signals. Annexin VII encodes a protein with a molecular weight of approximately 51 kDa with a unique, highly hydrophobic N-terminal domain of 167 amino acids and a conserved C-terminal region of 299 amino acids. The latter domain is composed of alternating hydrophobic and hydrophilic segments. Structural analysis of the protein suggests that Annexin VII is a membrane binding protein with diverse properties, including voltage-sensitive calcium channel activity, ion selectivity and membrane fusion. [provided by RefSeq, Jul 2008]
<b>Locus ID:</b>	310
<b>MW:</b>	39.8