

## Product datasheet for **SC215771**

### NOTCH1 (NM\_017617) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	NOTCH1 (NM_017617) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NOTCH1
Synonyms:	AOS5; AOVD1; hN1; TAN1
ACCN:	NM_017617
Insert Size:	1668 bp



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**Insert Sequence:** >SC215771 3'UTR clone of NM\_017617  
 The sequence shown below is from the reference sequence of NM\_017617. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGGATCGCC
ATCGCCCGCATTCCGGAGGCCTTCAAGTAACGGCGCGCCACGAGACCCGGCTTCCTTTCCCAAGC
CTTCGGGCGTCTGTGTGCGCTCTGTGGATGCCAGGGCCGACCAGAGGAGCCTTTTTAAAACACATGTTT
TTATACAAAATAAGAACGAGGATTTAATTTTTTTTAGTATTTATTTATGTACTTTTATTTTACACAGA
AACTACTGCCTTTTATTTATATGTACTGTTTTATCTGGCCCGAGGTAGAACTTTTATCTATTCTGAGA
AAACAAGCAAGTTCTGAGAGCCAGGGTTTTCTACGTAGGATGAAAAGATTCTTCTGTGTTTATAAAAT
ATAAACAAAGATTCATGATTTATAAATGCCATTTATTTATTGATTCCTTTTTTCAAATCCAAAAAGAA
ATGATGTTGGAGAAGGAAGTTGAACGAGCATAGTCCAAAAGCTCCTGGGGCGTCCAGGCCGCGCCCT
TTCCCGACGCCACCCAACCCCAAGCCAGCCCGCCGCTCCACCAGCATCACCTGCCTGTTAGGAGAA
GCTGCATCCAGAGGCAAACGGAGGCAAAGCTGGCTCACCTCCGACGCGGATTAATTTGCATCTGAAA
TAGGAAAACAAGTAAAAGCATATGGGTTAGATGTTGCCATGTGTTTTAGATGGTTTTCTGCAAGCATGCT
TGTGAAAATGTGTTCTCGGAGTGTGTATGCCAAGAGTGCACCCATGGTACCAATCATGAATCTTTGTTT
CAGGTTCAGTATTATGTAGTTGTTTCGTTGGTTATAACAAGTTCTTGGTCCCTCCAGAACCCCGGCC
CCTGCCGTTCTTGAAATGTAGGCATCATGCATGTCAAACATGAGATGTGTGGACTGTGGCACTTGCC
GGGTACACACGGAGGCATCCTACCTTTTCTGGGAAAGACTGCCTGGGTGACCCCGGTGGCGGC
CCCAGCACCTCAGCCTGCACAGTGTCCCCAGGTTCCGAAGAAGATGCTCCAGCAACACAGCCTGGGCC
CCAGCTCGCGGGACCCGACCCCGTGGCTCCCGTGTGTTTGTAGGAGACTTGCCAGAGCCGGGCACAT
TGAGCTGTGCAACGCCGTGGGCTGCGTCTTTGGTCTGTCCCGCAGCCCTGGCAGGGGCGATGCGGT
CGGGCAGGGGCTGGAGGGAGGCGGGGGTGCCTTGGGCCACCCCTCCTAGTTTGGGAGGAGCAGATTT
TTGCAATACCAAGTATAGCCTATGGCAGAAAAATGTCTGTAATATGTTTTAAAGGTGGATTTTGT
TAAAAATCTTAATGAATGAGTCTGTTGTGTGTCATGCCAGTGAGGGACGTGAGACTTGGCTCAGCTCG
GGGAGCCTTAGCCGCCATGCACTGGGGACGCTCCGCTGCCGTGCCGCTGCACTCCTCAGGGCAGCCT
CCCCGGCTCTACGGGGCCGCGTGGTCCATCCCAGGGGCGATGACCAGATGCGTCCCAAGATGTTG
ATTTTTACTGTGTTTTATAAAATAGAGTGTAGTTTACAGAAAAAGACTTTAAAAGTATCTACATGAGG
AACTGTAGATGATGATTTTTTTTTCATCTTTTTTGTAACTGATTTGCAATAAAAATGATACTGATGGT
ATCTGGCTTCCA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** 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).

**Components:** 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.

**RefSeq:** [NM\\_017617.5](#)

**Summary:**

This gene encodes a member of the NOTCH family of proteins. Members of this Type I transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple different domain types. Notch signaling is an evolutionarily conserved intercellular signaling pathway that regulates interactions between physically adjacent cells through binding of Notch family receptors to their cognate ligands. The encoded preproprotein is proteolytically processed in the trans-Golgi network to generate two polypeptide chains that heterodimerize to form the mature cell-surface receptor. This receptor plays a role in the development of numerous cell and tissue types. Mutations in this gene are associated with aortic valve disease, Adams-Oliver syndrome, T-cell acute lymphoblastic leukemia, chronic lymphocytic leukemia, and head and neck squamous cell carcinoma. [provided by RefSeq, Jan 2016]

**Locus ID:**

4851

**MW:**

62.8