

## Product datasheet for **SC202930**

### TLR3 (NM\_003265) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	TLR3 (NM_003265) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TLR3
Synonyms:	CD283; IIAE2
ACCN:	NM_003265
Insert Size:	2000 bp



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**Insert Sequence:** >SC202930 3'UTR clone of NM\_003265  
 The sequence shown below is from the reference sequence of NM\_003265. 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
GCACTTGGATCCAAAACTCTGTACATTAAATTTTAAATATTCAATTAGCAAAGGAGAACTTTCT
CAATTTAAAAAGTTCTATGGCAAATTAAGTTTTCCATAAAGGTGTATAATTTGTTTATTCATATTTG
TAAATGATTATATTCTATCACAATTACATCTCTCTAGGAAAATGTGTCTCCTTATTTACAGGCTATTT
TTGACAATTGACTTAATTTTACCAAAAATAAACATATAAGCACGTAAGAACATTGTCTACTGATTAAT
ATACAATCAGCCACTGAGCCTATGACAGCTTAAGGAGTTTGAACATTCCTCATTTTAAAGAAAAGTTA
GAGGTATATGAGGGTTTGTGATGATCTTTTGTATTTTGGATGCACCTAGAATGAAAGATAATTGTTTC
AATGGGTATAATGCTATTTCTTTGTAAGAGTAAAATATATACCCATATTTTTAAACAAGTTAATTA
CAGTATTTTTTCAATGGAAAACTTTGTATTTTAGTAAGTACTTGTCTCAGTGTGACTTTGTTAAATG
TTAAATATTTTTAATATACATACCCAAGGGCAGAAAACATTTGCAATTCATTTTATTAGTTAATGAG
ATGATTATTTGAATGAATATTGACTTGTATTTTCTGAGATTATGAGTTTCTGCTGTGGGAGGGTGAA
ACAATTCTCTTACTAAAAGTATTGTAGGCAGGCTTGTCTTCTGAAGGCTAATCACTATTTGGCTTTGTG
GAAACAGAACTTTCTCCCATGGTCACAGACTCAGGAGATGGCGTTGGCAAAATCACTTGGTCCCCTG
GGATTCTTTGACTCCTGATCTTGAAAAATATGATAATAAATGCATCTTAGATATTCCTATGTAATTAGT
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TCCACCTCTGAGTTCAAGCTATTCTCCTGCCTCAGCCACCCGAGTAGCTGGGATTACAGGCACATGCCA
CCATGCCTGGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTTACCATGTTGGCCAGGCTGGTCTTGA
ACTCCTGACCTCAAGTGATCCTCTCGCCTTGGCCTCCCAAAGTGCTAGGATTACAGGTGTGAGCCACCG
CGCCCCGCTTTTTATTTTGTTTTACAATAACAACAAAAATTTTTAGTTTTACAATAAAAGAGAATCTG
ATTATTGGAAATAGACCTGAATAGCTTTTTGAAATATTTATAGTTCTAGTATTTAAAGAGAACTGAA
ATTATAAAGCTGAGTTAATTTCTATACCTGAAATGTTTCTTTGTCTGCTGAATTCAGGGAGCATTGAG
ATGTCACATTTTGAACCTTTGATTTAAATAGTTTCAAGTATTCCTGAGTTCAGTTCATGACCTGGAAT
GAGAAATATCCACTGTACCTCTGGTTCTGAAGAGTCTATAGTCGCCAACACTGTGAATGTGTGGAGGA
CTAATTGTCACCTTCATGTTATTTGCCACCCTGACAGCTGAGACACTGCTTTTCAGCATTTTAGTTAAG
ATTTGCTTTTTAACTGTGCAATAATCATTTTATTTTGGCATTATAAAAATAAAAATCACAACCTTCTGCTT
TTCTTATATGCTTTGTGTGTTATCACACAAATATTCTCAAATATTCATAAGATATTTTAAATAAATCAT
TGTGAATTAGTCAATATATCAAGTTGCTTAATATGTGCATATATCAATGCTATTTAATATATAATATCTA
TATTTAATATATTGATATGTTACTGGTGGAGAGTGTCCAGGTTCTTGGTCTTTGAACAAGGAATTGG
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACC GCCCCTTCTATGAAAGG
  
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**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\\_003265.3](#)

**Summary:**

The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor is most abundantly expressed in placenta and pancreas, and is restricted to the dendritic subpopulation of the leukocytes. It recognizes dsRNA associated with viral infection, and induces the activation of NF-kappaB and the production of type I interferons. It may thus play a role in host defense against viruses. Use of alternative polyadenylation sites to generate different length transcripts has been noted for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

7098

**MW:**

77.7