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Product datasheet for SC216098

TLR7 (NM_016562) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TLR7 (NM_016562) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TLR7
Synonyms:	IMD74; TLR7-like
ACCN:	NM_016562
Insert Size:	1733 bp

View online »

Insert Sequence:

>SC216098 3'UTR clone of NM_016562
The sequence shown below is from the reference sequence of NM_016562. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TATAGTCAGGTGTTCAAGGAAACGGTCTAGCCCTTCTTTGCAAAACACAACTGCCTAGTTTACCAAGGA
GAGGCCTGGCTGTTTAAATTGTTTTCATATATATCACACCAAAAGCGTGTTTTGAAATTCTTCAAGAAA
TGAGATTGCCCATATTTCAGGGGAGCCACCAACGTCTGTCACAGGAGTTGGAAAGATGGGGTTTATATA
ATGCATCAAGTCTTCTTTCTTATCTCTCTGTGTCTCTATTTGCACTTGAGTCTCTCACCTCAGCTCCTG
TAAAAGAGTGGCAAGTAAAAAACATGGGGCTCTGATTCTCCTGTAATTGTGATAATTAAATATACACAC
AATCATGACATTGAGAAGAACTGCATTTCTACCCTTAAAAAGTACTGGTATATACAGAAATAGGGTTAA
AAAAAACTCAAGCTCTCTCTATATGAGACCAAAATGTACTAGAGTTAGTTTAGTGAAATAAAAAACCAG
TCAGCTGGCCGGGCATGGTGGCTCATGCTTGTAATCCCAGCACTTTGGGAGGCCGAGGCAGGTGGATCA
CGAGGTCAGGAGTTTGAGACCAGTCTGGCCAACATGGTGAAACCCCGTCTGTACTAAAAATACAAAAAT
TAGCTGGGCGTGGTGGTGGGTGCCTGTAATCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATCGCTTGA
ACCCGGGAGGTGGAGGTGGCAGTGAGCCGAGATCACGCCACTGCAATGCAGCCCGGGCAACAGAGCTAG
ACTGTCTCAAAAGAACAAAAAAAAAAAAACACAAAAAAACTCAGTCAGCTTCTTAACCAATTGCTTCCG
TGTCATCCAGGGCCCCATTCTGTGCAGATTGAGTGTGGGCACCACACAGGTGGTTGCTGCTTCAGTGCT
TCCTGCTCTTTTTCCTTGGGCCTGCTTCTGGGTTCCATAGGGAAACAGTAAGAAAGAAAGACACATCCT
TACCATAAATGCATATGGTCCACCTACAAATAGAAAAATATTTAAATGATCTGCCTTTATACAAAGTGA
TATTCTCTACCTTTGATAATTTACCTGCTTAAATGTTTTTATCTGCACTGCAAAGTACTGTATCCAAAG
TAAAATTTCCTCATCCAATATCTTTCAAACTGTTTTGTTAACTAATGCCATATATTTGTAAGTATCTGC
ACACTTGATACAGCAACGTTAGATGGTTTTGATGGTAAACCCTAAAGGAGGACTCCAAGAGTGTGTATT
TATTTATAGTTTTATCAGAGATGACAATTATTTGAATGCCAATTATATGGATTCCTTTCATTTTTTGCT
GGAGGATGGGAGAAGAAACCAAAGTTTATAGACCTTCACATTGAGAAAGCTTCAGTTTTGAACTTCAGC
TATCAGATTCAAAAACAACAGAAAGAACCAAGACATTCTTAAGATGCCTGTACTTTCAGCTGGGTATAA
ATTCATGAGTTCAAAGATTGAAACCTGACCAATTTGCTTTATTTCATGGAAGAAGTGATCTACAAAGGT
GTTTGTGCCATTTGGAAAACAGCGTGCATGTGTTCAAGCCTTAGATTGGCGATGTCGTATTTTCCTCAC
GTGTGGCAATGCCAAAGGCTTTACTTTACCTGTGAGTACACACTATATGAATTATTTCCAACGTACATT
TAATCAATAAGGGTCACAAATTCCCAAATCAATCTCTGGAATAAATAGAGAGGTAATTAAATTGCTGGA
GCCAACTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_016562.4

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. The human TLR family comprises 11 members. 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. For the recognition of structural components in foreign microorganisms, the various TLRs exhibit different patterns of expression as well; in this way for example, TLR-3, -7, and -8 are essential in the recognition of single-stranded RNA viruses. TLR7 senses single-stranded RNA oligonucleotides containing guanosine- and uridine-rich sequences from RNA viruses, a recognition occuring in the endosomes of plasmacytoid dendritic cells and B cells. This gene is predominantly expressed in lung, placenta, and spleen, and is phylogenetically related and lies in close proximity to another family member, TLR8, on chromosome X. [provided by RefSeq, Aug 2020]

Locus ID: 51284

MW: 67.1