

Product datasheet for RC207597L2

TLR2 (NM_003264) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TLR2 (NM_003264) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: TLR2

Synonyms: CD282; TIL4

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC207597).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_003264

ORF Size: 2352 bp



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

TLR2 (NM_003264) Human Tagged Lenti ORF Clone - RC207597L2

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: <u>NM 003264.3</u>

 RefSeq Size:
 3417 bp

 RefSeq ORF:
 2355 bp

 Locus ID:
 7097

 UniProt ID:
 060603

Cytogenetics: 4q31.3

Domains: TIR, LRRCT, LRR, LRR TYP, LRR BAC, LRR PS

Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Toll-like receptor signaling pathway

MW: 89.8 kDa

Gene 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.

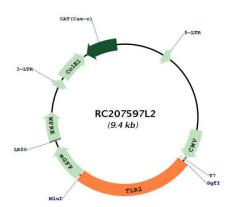
This protein is a cell-surface protein that can form heterodimers with other TLR family members to recognize conserved molecules derived from microorganisms known as

pathogen-associated molecular patterns (PAMPs). Activation of TLRs by PAMPs leads to an upregulation of signaling pathways to modulate the host's inflammatory response. This gene is also thought to promote apoptosis in response to bacterial lipoproteins. This gene has been implicated in the pathogenesis of several autoimmune diseases. Alternative splicing results in

multiple transcript variants. [provided by RefSeq, Jan 2016]



Product images:



Circular map for RC207597L2