

Product datasheet for RC215761L2

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OriGene Technologies, Inc.

TLR6 (NM_006068) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TLR6 (NM_006068) Human Tagged Lenti ORF Clone

Tag: mGFP
Symbol: TLR6
Synonyms: CD286
Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

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

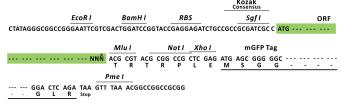
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC215761).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_006068

ORF Size: 2388 bp



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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 006068.2</u>

 RefSeq Size:
 2753 bp

 RefSeq ORF:
 2391 bp

 Locus ID:
 10333

 UniProt ID:
 Q9Y2C9

 Cytogenetics:
 4p14

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Toll-like receptor signaling pathway

MW: 91.7 kDa

Gene Summary: The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which

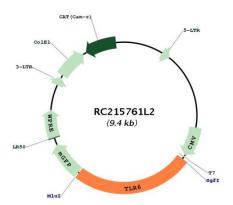
plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor functionally interacts with toll-like receptor 2 to mediate cellular response to bacterial lipoproteins. A Ser249Pro polymorphism in the extracellular domain of the encoded protein

may be associated with an increased of asthma is some populations.[provided by RefSeq, Jan

2011]



Product images:



Circular map for RC215761L2