

Product datasheet for RC209440L3

OriGene Technologies, Inc.

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TIM 3 (HAVCR2) (NM_032782) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TIM 3 (HAVCR2) (NM_032782) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: TIM 3

Synonyms: CD366; HAVcr-2; KIM-3; SPTCL; Tim-3; TIMD-3; TIMD3

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF insert of this clo

Sequence:

The ORF insert of this clone is exactly the same as(RC209440).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_032782

ORF Size: 903 bp





TIM 3 (HAVCR2) (NM_032782) Human Tagged Lenti ORF Clone - RC209440L3

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 032782.3</u>

RefSeq Size: 2448 bp
RefSeq ORF: 906 bp
Locus ID: 84868

UniProt ID:Q8TDQ0Cytogenetics:5q33.3

Domains: IG

Protein Families: Druggable Genome, Transmembrane

MW: 33.4 kDa

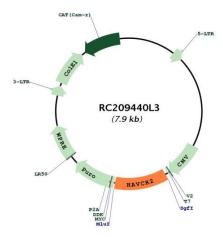
Gene Summary: The protein encoded by this gene belongs to the immunoglobulin superfamily, and TIM family

of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas, Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. This protein is a Th1-specific cell surface protein that regulates macrophage activation, and inhibits Th1-mediated auto- and alloimmune responses, and

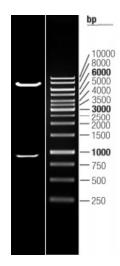
promotes immunological tolerance. [provided by RefSeq, Sep 2011]



Product images:



Circular map for RC209440L3



Double digestion of RC209440L3 using Sgfl and Mlul