

Product datasheet for RC214101L1

TSLP (NM_033035) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TSLP (NM_033035) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: TSLP

Mammalian Cell None

Selection:

Vector: pLenti-C-Myc-DDK (PS100064)

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

ORF Nucleotide

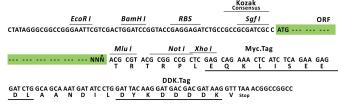
The ORF insert of this clone is exactly the same as(RC214101).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_033035

ORF Size: 477 bp

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TSLP (NM_033035) Human Tagged Lenti ORF Clone - RC214101L1

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 033035.3</u>

 RefSeq Size:
 2652 bp

 RefSeq ORF:
 480 bp

 Locus ID:
 85480

 UniProt ID:
 Q969D9

Protein Families: Druggable Genome

5q22.1

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

MW: 18 kDa

Cytogenetics:

Gene Summary: This gene encodes a hemopoietic cytokine proposed to signal through a heterodimeric

receptor complex composed of the thymic stromal lymphopoietin receptor and the IL-7R alpha chain. It mainly impacts myeloid cells and induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c(+) dendritic cells. The protein promotes T helper type 2 (TH2) cell responses that are associated with immunity in

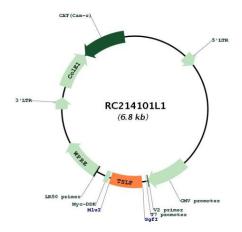
various inflammatory diseases, including asthma, allergic inflammation and chronic

obstructive pulmonary disease. The protein is therefore considered a potential therapeutic target for the treatment of such diseases. In addition, the shorter (predominant) isoform is an antimicrobial protein, displaying antibacterial and antifungal activity against B. cereus, E. coli, E. faecalis, S. mitis, S. epidermidis, and C. albicans. Alternative splicing of this gene results in

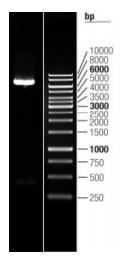
multiple transcript variants. [provided by RefSeq, Jul 2020]



Product images:



Circular map for RC214101L1



Double digestion of RC214101L1 using Sgfl-Mlul