

# Product datasheet for RC207348L3

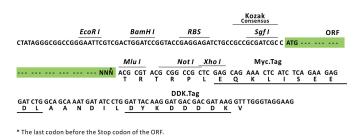
## TSLP (NM\_138551) Human Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	TSLP (NM_138551) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	TSLP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207348).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling: Sgf I ORF M/u I GCG ATC GC ATG// NNN ACG CGT



ACCN: ORF Size: NM\_138551 480 bp



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	SLP (NM_138551) Human Tagged Lenti ORF Clone – RC207348L3
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
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 Met	<ul> <li>hod: 1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ul>
RefSeq:	<u>NM 138551.4, NP 612561.2</u>
RefSeq Size:	2411 bp
RefSeq ORF:	192 bp
Locus ID:	85480
UniProt ID:	<u>Q969D9</u>
Cytogenetics:	5q22.1
Protein Families:	Druggable Genome
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
MW:	18.1 kDa

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#### Scheme Content and Content and

Gene Summary:This gene encodes a hemopoietic cytokine proposed to signal through a heterodimeric<br/>receptor complex composed of the thymic stromal lymphopoietin receptor and the IL-7R<br/>alpha chain. It mainly impacts myeloid cells and induces the release of T cell-attracting<br/>chemokines from monocytes and enhances the maturation of CD11c(+) dendritic cells. The<br/>protein promotes T helper type 2 (TH2) cell responses that are associated with immunity in<br/>various inflammatory diseases, including asthma, allergic inflammation and chronic<br/>obstructive pulmonary disease. The protein is therefore considered a potential therapeutic<br/>target for the treatment of such diseases. In addition, the shorter (predominant) isoform is an<br/>antimicrobial protein, displaying antibacterial and antifungal activity against B. cereus, E. coli,<br/>E. faecalis, S. mitis, S. epidermidis, and C. albicans. Alternative splicing of this gene results in<br/>multiple transcript variants. [provided by RefSeq, Jul 2020]

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