

#### OriGene Technologies, Inc.

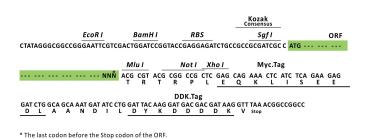
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# Product datasheet for RC219757L1

#### Mesothelin (MSLN) (NM\_013404) Human Tagged Lenti ORF Clone

### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mesothelin (MSLN) (NM_013404) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Mesothelin
Synonyms:	MPF; SMRP
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219757).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Saf1         ORF         Miu I            GCG ATC GCC         ATG//         NNN         ACG CGT



ACCN: ORF Size:

NM\_013404 1890 bp



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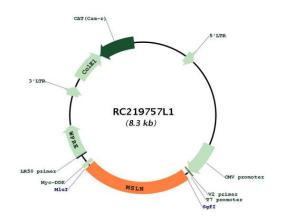
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<b>GRIGENE</b> Mesothelin (MSLN) (NM_013404) Human Tagged Lenti ORF Clone – RC219757L1	
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences 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. <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 Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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> </ol>
RefSeq:	<u>NM 013404.3</u>
RefSeq Size:	2076 bp
RefSeq ORF:	1893 bp
Locus ID:	10232
UniProt ID:	<u>Q13421</u>
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	68.99 kDa
Gene Summary:	This gene encodes a preproprotein that is proteolytically processed to generate two protein products, megakaryocyte potentiating factor and mesothelin. Megakaryocyte potentiating factor functions as a cytokine that can stimulate colony formation of bone marrow megakaryocytes. Mesothelin is a glycosylphosphatidylinositol-anchored cell-surface protein that may function as a cell adhesion protein. This protein is overexpressed in epithelial mesotheliomas, ovarian cancers and in specific squamous cell carcinomas. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]

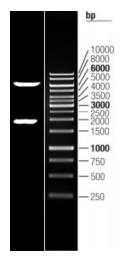
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## **Product images:**



Circular map for RC219757L1



Double digestion of RC219757L1 using Sgfl and Mlul

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