

Product datasheet for RC203562L1

LSM10 (NM_032881) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: LSM10 (NM_032881) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: LSM10

Synonyms: MST074; MSTP074

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

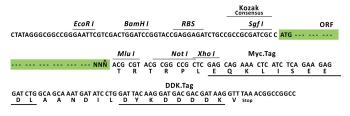
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC203562).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_032881

ORF Size: 369 bp



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LSM10 (NM_032881) Human Tagged Lenti ORF Clone - RC203562L1

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.

Sm

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 032881.1</u>

 RefSeq Size:
 869 bp

 RefSeq ORF:
 372 bp

 Locus ID:
 84967

 UniProt ID:
 Q969L4

Cytogenetics: 1p34.3

Domains:

MW: 14.1 kDa

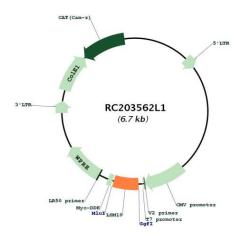
Gene Summary: Appears to function in the U7 snRNP complex that is involved in histone 3'-end processing.

Increases U7 snRNA levels but not histone 3'-end pre-mRNA processing activity, when overexpressed. Required for cell cycle progression from G1 to S phases. Binds specifically to U7 snRNA. Binds to the downstream cleavage product (DCP) of histone pre-mRNA in a U7

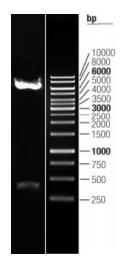
snRNP dependent manner.[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC203562L1



Double digestion of RC203562L1 using Sgfl and Mlul