

Product datasheet for **RC230418**

LASIL (NM_001170650) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	LASIL
Synonyms:	dJ475B7.2; LasI; LasI-like; WTS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC230418 representing NM_001170650
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTCGTGGGAATCCGGGGCCGGGCCAGGTCTAGGTTCCAGGGGATGGATCTCGTGTGGAGTGCCTGGT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC230418 representing NM_001170650
 Red=Cloning site Green=Tags(s)

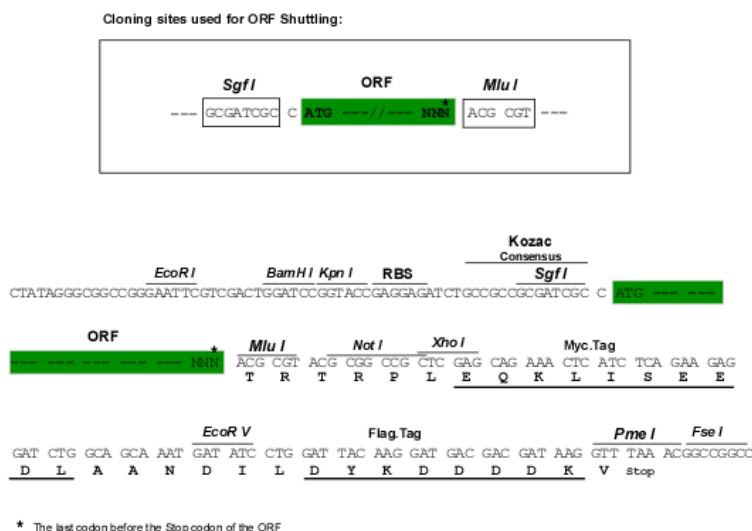
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 GISGIRPTYILRWTVELIVANTKTGRNARRFSAGQWEARRGWRLFNCSASLDWPRMVESCLGSPCWASPQ
 LLRIIFKAMQG LPPDEEQEKLLRICSIYTQSGENSLVQEGSEASPIGKSPYTLDSL YWSVKPASSFSGE
 AKAQQQEEQGSVNDVKEEKEEKEVLPDQVEEEENDDQEEEEDEDEDDEEEDRMEVGPFTSGQESPT
 AENARLLAQKRGALQGS AWQVSSDVRWDTFPLGRMPQTEDPAELMLENYDTMYLLDQPVLEQRLEPST
 CKTDTLGLSCGVSGNCSNSSSNFEGLLWSQQLHGLKTGLQLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8036_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001170650

ORF Size: 2025 bp

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.

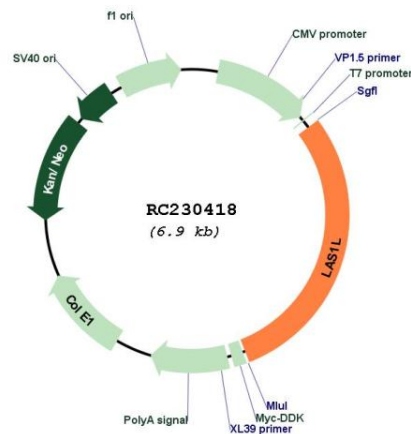
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001170650.1, NP_001164121.1

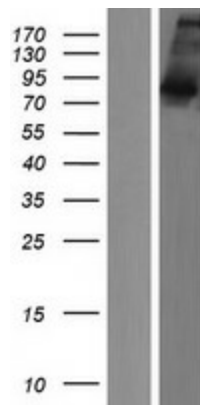
RefSeq ORF: 2028 bp
Locus ID: 81887
UniProt ID: [Q9Y4W2](#)
Cytogenetics: Xq12
MW: 77.3 kDa

Gene Summary: Involved in the biogenesis of the 60S ribosomal subunit. Required for maturation of the 28S rRNA. Functions as a component of the Five Friends of Methylated CHTOP (5FMC) complex; the 5FMC complex is recruited to ZNF148 by methylated CHTOP, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC230418



Western blot validation of overexpression lysate (Cat# [LY433418]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230418 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).