

Product datasheet for RC231893

INSL3 (NM_001265587) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: INSL3 (NM_001265587) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: INSL3
Synonyms: ley-I-L; RLF; RLNL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231893 representing NM_001265587
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACCCCGTCTGCCCGCTGGGCGCTGGTGTCTGGGCCCTGCCCTGGTGTTCGCGTTGGGCCCCG
 CGCCACCCAGAGATGCGTGAGAAGTTGTGCGGCCACCACTTCGTACGCGCGCTAGTGCAGTGTGCGG
 GGGCCCCGCTGGTCCACCGAAGCCAGGAGGCCTGCGACCGGAGGCGACCAGAGGGAGTCTCACTCTGT
 TCCAGGCTGGTCTCAAACCTCTGAGCTCAAGTAATCCTCCACCTTGACCTTCAAAGTGTGGGATTA
 GCGATGTGAGTTGCTACAGTGGCTGGAGAGACGACATCTGCTCCATGGGCTGGTGGCCGACAGTAATCTC
 ACGCTGGGACCTGGCCTGCAGCCCTGCCAGACCTCTCACCATCACCGCCACCACCGTGCAGCTGCCA
 CCAACCTGCACGCTACTGCTGCCTCAGTGGCTGTACCAACAAGACCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231893 representing NM_001265587
 Red=Cloning site Green=Tags(s)

MDPRLPAWLVLLGPALVFALGPAPTPEMREKLCGHHFVRALVRVCGGPRWSTEARRPATGGDQRESHSV
 SQAGLKLSSSNPPTLTFQSVGISDVSCYSGWRDDICSMGWPTVISRWDLACSPCPRPLTITATTVQLP
 PTLHATAASVAVPNKTC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001265587

ORF Size: 471 bp

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 custsupport@origene.com 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. [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.

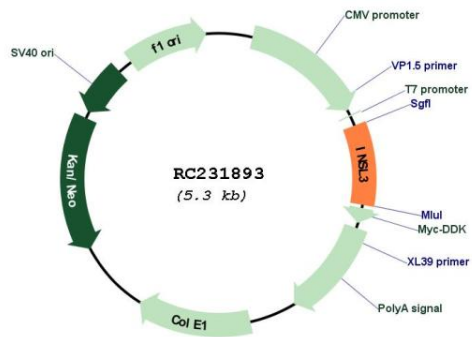
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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: [NM_001265587.2](#)
RefSeq Size: 928 bp
RefSeq ORF: 474 bp
Locus ID: 3640
UniProt ID: [P51460](#)
Cytogenetics: 19p13.11
Protein Families: Druggable Genome, Secreted Protein
MW: 17.3 kDa

Gene Summary: This gene encodes a member of the insulin-like hormone superfamily. The encoded protein is mainly produced in gonadal tissues. Studies of the mouse counterpart suggest that this gene may be involved in the development of urogenital tract and female fertility. This protein may also act as a hormone to regulate growth and differentiation of gubernaculum, and thus mediating intra-abdominal testicular descent. Mutations in this gene may lead to cryptorchidism. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2012]

Product images:



Circular map for RC231893