

Product datasheet for **RC209944**

INSL3 (NM_005543) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: INSL3 (NM_005543) 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: >RC209944 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCCGTCTGCCCGCTGGGCACTGGTGTCTGGGCCCTGCCCTGGTGTTCGCGTTGGGCCCCG
CGCCACCCAGAGATGCGTGAGAAGTTGTGCGGCCACCACTTCGTACGCGCGCTAGTGCGGTGTGCGG
GGGCCCCGCTGGTCCACCGAAGCCAGGAGGCCTGCGGCCGAGGCGACCGTGAGTTGCTACAGTGGCTG
GAGAGACGACATCTGCTCCATGGCTGGTGGCCGACAGTAATCTCACGCTGGGACCTGGCCTGCAGCCCC
TGCCCCAGACCTCTACCATCACCGCCACCACCGTGCAGCTGCCACCAACCCTGCAGCTACTGCTGCCT
CAGTGGCTGTACCAACAAGACCTGCTGACCCTCTGTCCCTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209944 protein sequence
Red=Cloning site Green=Tags(s)
MDPRLPAWALVLLGPALVFALGPAPTPEMREKLCGHHFVRALVRVCGGPRWSTEARRPAAGGDRELLQWL
ERRHLLHGLVADSNLTLGPGLQLPQTSHHRRHRAAATNPARYCCLSGCTQQDLLTLCPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6363_h01.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_005543

ORF Size: 393 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.

RefSeq: [NM_005543.4](#)

RefSeq Size: 833 bp

RefSeq ORF: 396 bp

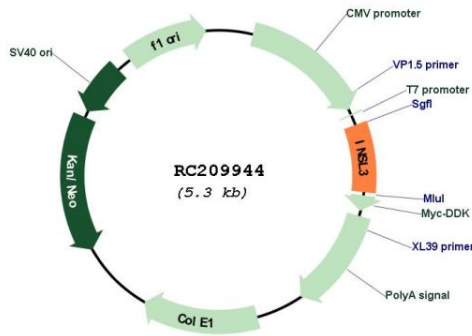
Locus ID: 3640

UniProt ID: [P51460](#)

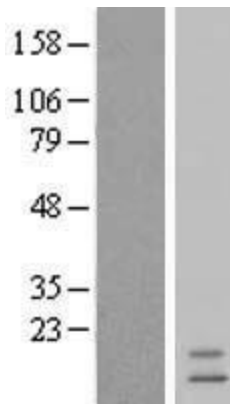
Cytogenetics: 19p13.11
Protein Families: Druggable Genome, Secreted Protein
MW: 14.5 kDa

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]

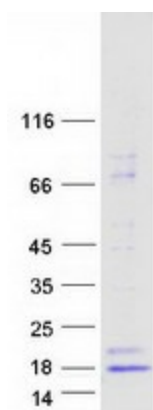
Product images:



Circular map for RC209944



Western blot validation of overexpression lysate (Cat# [LY417236]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209944 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified INSL3 protein (Cat# [TP309944]). The protein was produced from HEK293T cells transfected with INSL3 cDNA clone (Cat# RC209944) using MegaTran 2.0 (Cat# [TT210002]).