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Product datasheet for RC204707

INSL4 (NM_002195) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INSL4 (NM_002195) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	INSL4
Synonyms:	EPIL; PLACENTIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC204707 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAGCCTGTTCCGGTCCTATCTGCCAGCAATCTGGCTGCTGCTGAGCCAACTCCTTAGAGAAAGCC
TAGCAGCAGAGCTGAGGGGATGTGGTCCCCGATTTGGAAAACACTTGCTGTCATATTGCCCCATGCCTGA
GAAGACATTCACCACCACCCCAGGAGGGTGGCTGCTGGAATCTGGACGTCCCAAAGAAATGGTGTCAACC
TCCAACAACAAAGATGGACAAGCCTTAGGTACGACATCAGAATTCATTCCTAATTTGTCACCAGAGCTGA
AGAAACCACTGTCTGAAGGGCAGCCATCATTGAAGAAAATAATACTTTCCCGCAAAAAGAGAAGTGGACG
TCACAGATTTGATCCATTCTGTTGTGAAGTAATTTGTGACGATGGAACTTCAGTTAAATTATGTACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204707 protein sequence
Red=Cloning site Green=Tags(s)

MASLFRSYLPAIWLLLSQLLRESLAAELRGCGPRFGKHLLSYCPMPEKTFTTTPGGWLLESGRPKEMVST
SNNKDGQALGTTSEFIPNLSPELKKPLSEGQPSLKKIILSRKKRSGRHRFDPFCCEVICDDGTSVKLCT

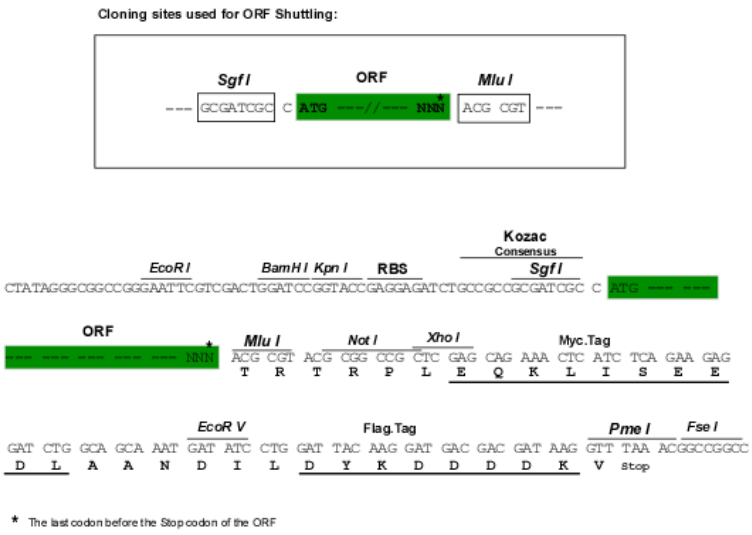
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6551_c06.zip

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:



ACCN: NM_002195

ORF Size: 417 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.

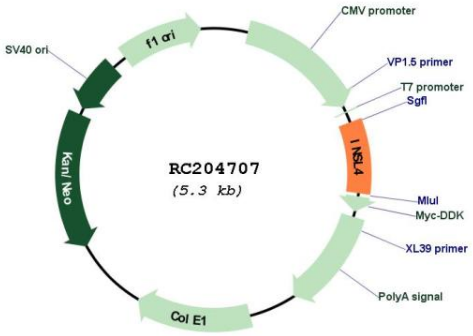
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

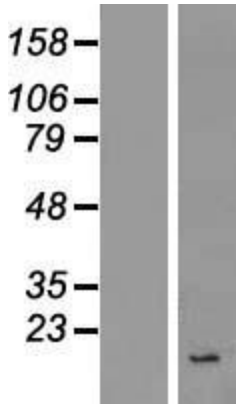
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_002195.2
RefSeq Size:	617 bp
RefSeq ORF:	420 bp
Locus ID:	3641
UniProt ID:	Q14641
Cytogenetics:	9p24.1
Protein Families:	Druggable Genome, Secreted Protein
MW:	15.4 kDa
Gene Summary:	INSL4 encodes the insulin-like 4 protein, a member of the insulin superfamily. INSL4 encodes a precursor that undergoes post-translational cleavage to produce 3 polypeptide chains, A-C, that form tertiary structures composed of either all three chains, or just the A and B chains. Expression of INSL4 products occurs within the early placental cytotrophoblast and syncytiotrophoblast. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC204707



Western blot validation of overexpression lysate (Cat# [LY419478]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204707 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).