

Product datasheet for **RC215281**

IGFL1 (NM_198541) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IGFL1 (NM_198541) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: IGFL1
Synonyms: APRG644; UNQ644
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC215281 representing NM_198541
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTCCCCGAGGCTGCATCGTAGCTGTCTTTGCCATTTCTGCATCTCCAGGCTCCTCTGCTCACAGG
GAGCCCCAGTGGCCCCATGACTCCTTACCTGATGCTGTGCCAGCCACACAAGAGATGTGGGACAAGTT
CTACGACCCCTGCAGCACTGTTGCTATGATGATGCCGTCGTGCCCTTGCCAGGACCCAGACGTGTGGA
AACTGCACCTTCAGAGTCTGCTTTGAGCAGTGTGCCCTGGACCTTCATGGTGAAGCTGATAAACCAGA
ACTGCGACTCAGCCCGACCTCGGATGACAGGCTTTGTCCGAGTGTACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215281 representing NM_198541
Red=Cloning site Green=Tags(s)

MAPRGCIVAVFAIFCISRLLC SHGAPVAPMTPYLMLCQPHKRCGDKFYDPLQHCCYDDAVVPLARTQTCC
NCTFRVCFEQCPWTFMVKLIQNCD SARTSDDRLCRSVS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

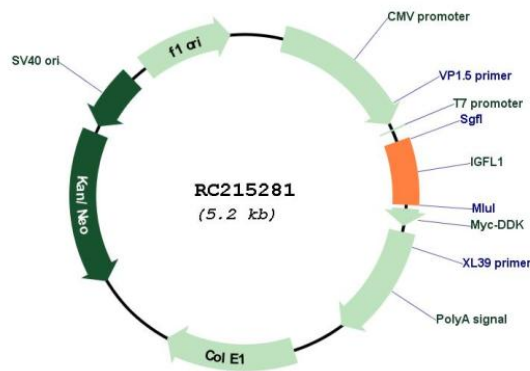
Chromatograms: https://cdn.origene.com/chromatograms/mk6116_d03.zip

Restriction Sites: Sgfl-Mlul



[View online »](#)

Cloning Scheme:

Plasmid Map:


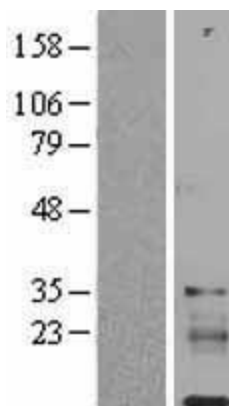
ACCN: NM_198541

ORF Size: 330 bp

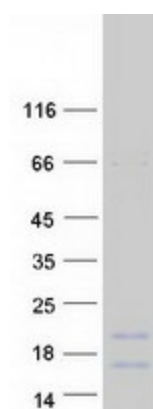
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<ol style="list-style-type: none">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_198541.2
RefSeq Size:	771 bp
RefSeq ORF:	333 bp
Locus ID:	374918
UniProt ID:	Q6UW32
Cytogenetics:	19q13.32
Protein Families:	Secreted Protein, Transmembrane
MW:	12.2 kDa
Gene Summary:	The protein encoded by this gene is a member of the insulin-like growth factor family of signaling molecules. The encoded protein is synthesized as a precursor protein and is proteolytically cleaved to form a secreted mature peptide. The mature peptide binds to a receptor, which in mouse was found on the cell surface of T cells. Increased expression of this gene may be linked to psoriasis. [provided by RefSeq, Aug 2016]

Product images:



Western blot validation of overexpression lysate (Cat# [LY403685]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215281 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified IGFL1 protein (Cat# [TP315281]). The protein was produced from HEK293T cells transfected with IGFL1 cDNA clone (Cat# RC215281) using MegaTran 2.0 (Cat# [TT210002]).