

## Product datasheet for **RC229701**

### IGLL5 (NM\_001178126) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IGLL5 (NM_001178126) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IGLL5
Synonyms:	IGL; IGLV; VL-MAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229701 representing NM_001178126 <span style="color: red;">Red</span> =Cloning site <span style="color: blue;">Blue</span> =ORF <span style="color: green;">Green</span> =Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGAGACCCAAGACAGGCCAAGTGGGTTGTGAGACCCCTGAGGAGCTGGGCCCTGGTCCCAGGCAGCGCT  
 GGCCCCCTGCTGCTGCTGGGTCTGGCCATGGTCGCCATGGCCTGCTGCGCCCAATGGTTGCACCGCAAAG  
 CGGGGACCCAGACCCTGGAGCCTCAGTTGGAAGCAGCCGATCCAGCCTGCGGAGCCTGTGGGGCAGGCTC  
 CTGCTCCAGCCCAGCCCCAGAGAGCAGACCCAGGTGCTGGCCCCGGGGTTTTGGTCTGAGCCTCAGT  
 CACTGTGTTATGTCTTCGAACTGGGACCAAGGTCACCGTCCTAGGTGAGCCCAAGGCCAACCCCACTGT  
 CACTCTGTTCCCGCCCTCCTCTGAGGAGCTCCAAGCCAACAAGGCCACACTAGTGTGTCTGATCAGTGAC  
 TTCTACCCGGGAGCTGTGACAGTGGCCTGGAAGGCAGATGGCAGCCCCGTCAAGGCGGGAGTGGAGACCA  
 CCAAACCTCCAAACAGAGCAACAACAAGTACGCGGCCAGCAGCTACCTGAGCCTGACGCCCGAGCAGTG  
 GAAGTCCACAGAAGCTACAGCTGCCAGGTCACGCATGAAGGGAGCACCGTGGAGAAGACAGTGGCCCCCT  
 ACAGAATGTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >RC229701 representing NM\_001178126  
 Red=Cloning site Green=Tags(s)

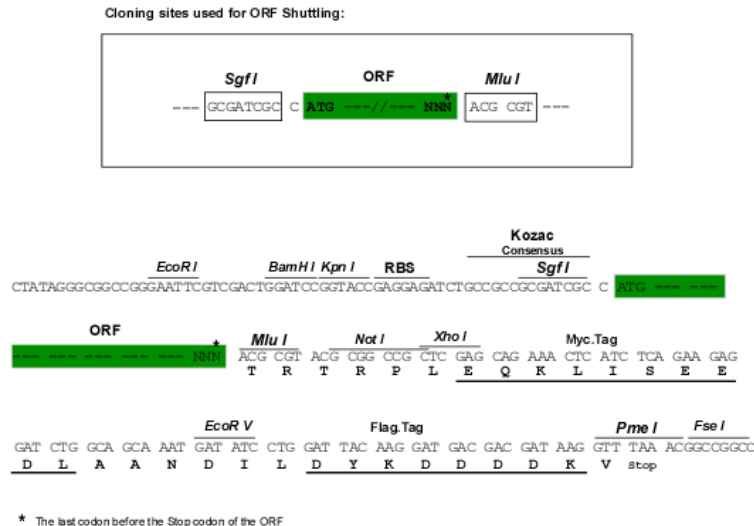
MRPKTGQVGCETPEELGPGRQRWPLLLLGLAMVAHLLRPMVAPQSGDPDPGASVGSRRSLRSLWGRL  
 LLQPSPQRADPRCWPRGFWSEPQSLCYVFGTGKTVLGLQPKANPTVTLFPPSSEELQANKATLVCLISD  
 FYPGAVTVAWKADGSPVKAGVETTKPSKQSNNKYAASSYLSLTPEQWKSHRSYSCQVTHEGSTVEKTVAP  
 TECS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8036\\_g11.zip](https://cdn.origene.com/chromatograms/mk8036_g11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001178126

**ORF Size:** 642 bp

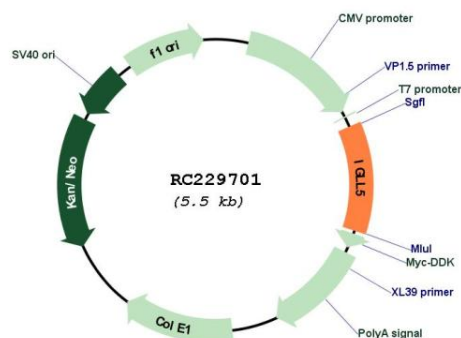
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of 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](mailto: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](#)

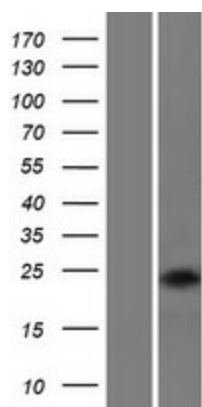
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001178126.2</a>
<b>RefSeq ORF:</b>	645 bp
<b>Locus ID:</b>	100423062
<b>UniProt ID:</b>	<a href="#">B9A064</a>
<b>Cytogenetics:</b>	22q11.22
<b>MW:</b>	23.5 kDa
<b>Gene Summary:</b>	This gene encodes one of the immunoglobulin lambda-like polypeptides. It is located within the immunoglobulin lambda locus but it does not require somatic rearrangement for expression. The first exon of this gene is unrelated to immunoglobulin variable genes; the second and third exons are the immunoglobulin lambda joining 1 and the immunoglobulin lambda constant 1 gene segments. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

## Product images:



Circular map for RC229701



Western blot validation of overexpression lysate (Cat# [LY432701]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229701 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).