

## Product datasheet for **RC209929**

### **ILRUN (NM\_024294) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ILRUN (NM\_024294) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ILRUN  
**Synonyms:** C6orf106; dj391O22.4; FP852  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC209929 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGGCATGGACGTAGACCTGGACCCGGAGCTGATGCAGAAGTTCAGCTGCCTGGGCACCACCGACA  
AGGACGTGCTCATCTCCGAGTTCAGAGGCTGCTCGGCTCCAGCTCAATCCTGCCGTTGCGCCTTCTT  
CCTGGACATGACCAACTGGAACCTACAAGCAGCAATTGGCGCCTATTATGACTTTGAGAGCCAAACATC  
AGTGTGCCCTCTATGTCCTTTGTTGAAGATGTCACCATAGGAGAAGGGGAGTCAATACCTCCGGATACT  
AGTTTGTAAAAACATGGCGGATCCAGAATTCTGGGGCAGAGGCCTGGCCTCCAGGGGTTTGTCTTAAATA  
TGTCCGGGGGAGACCAATTTGGACATGTGAACATGGTGTGGTGTAGATCGTAGAGCCCAAGAGATTGCA  
GATGTCAGCGTCCAGATGTGCAGCCCCAGCAGAGCAGGAATGTATCAGGGACAGTGGCGGATGTGCACTG  
CTACAGGACTCTACTATGGAGATGTCATCTGGGTATTCTCAGTGTGGAGGTGGGTGGACTTTTAGGAGT  
AACGCAGCAGCTGTCATCTTTTGAACGGAGTTCAACACACAGCCGCATCGTAAGGTAGAAGGAACTTC  
AACCCCTTTTGCCTCTCCCAAAAAGAACCAGCAATCAGATGAAAACAACCTAAAAGACCCTGGGGGCTCCG  
AGTTCGACTCGATCAGCAAAAACACATGGGCTCCTGCTCCTGACACATGGGCTCCTGCTGACCAAAC  
TGAGCAAGACCAGAATAGACTGTACAGAACTCTGTAATCTGTCTCCAGCAGTACGCAAAACAACCTTA  
TCAGTAGTGACTTACAGTAAGGGGCTCCATGGGCCTTACCCCTTCGGCCAGTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC209929 protein sequence  
 Red=Cloning site Green=Tags(s)

MEGMDVDLDPELMQKFSLGTTDKDVLISEFQRLGFLNPAGCAFFLDMTNWNLQAAIGAYYDFESPNI  
 SVPSMSFVEDVTIGEGESIPPDTQFVKTWRIQNSGAEAWPPGVCLKYVGGDQFGHVNMMVRSLEPQEIA  
 DVSVQMCSPSRAGMYQGQWRMCTATGLYGDVIWVILSVEVGLLGVTQQLSSFETEFNTQPHRKVEGNF  
 NPFASPQKNRQSDENNLKDPGGSEFDSISKNTWAPAPDTWAPADQTEQDQNRLSQNSVNLSPSSHANNL  
 SVVTYSKGLHGYPYFGQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

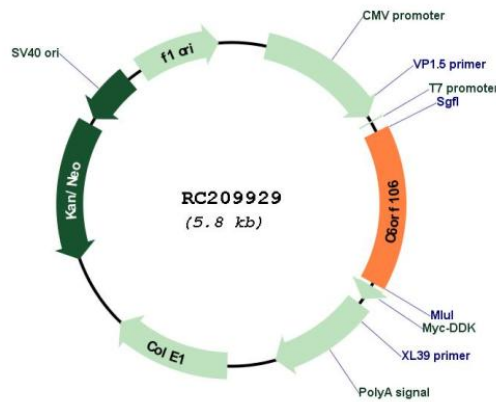
**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6363\\_c04.zip](https://cdn.origene.com/chromatograms/mk6363_c04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

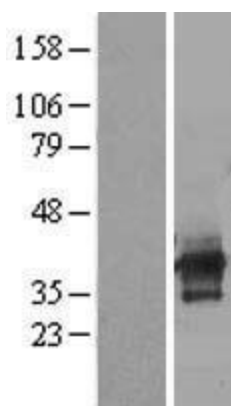


**Plasmid Map:**



**ACCN:** NM\_024294

<b>ORF Size:</b>	894 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>RefSeq:</b>	<a href="#">NM_024294.4</a>
<b>RefSeq Size:</b>	4433 bp
<b>RefSeq ORF:</b>	897 bp
<b>Locus ID:</b>	64771
<b>UniProt ID:</b>	<a href="#">Q9H6K1</a>
<b>Cytogenetics:</b>	6p21.31
<b>MW:</b>	32.9 kDa
<b>Gene Summary:</b>	Negative regulator of innate antiviral response. Blocks IRF3-dependent cytokine production such as IFNA, IFNB and TNF (PubMed:29802199). Interacts with IRF3 and inhibits IRF3 recruitment to type I IFN promoter sequences while also reducing nuclear levels of the coactivators EP300 and CREBBP (PubMed:29802199).[UniProtKB/Swiss-Prot Function]

**Product images:**

Western blot validation of overexpression lysate (Cat# [LY411330]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209929 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).