

## Product datasheet for **SC112260**

### **ILRUN (NM\_024294) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ILRUN (NM_024294) Human Untagged Clone
Tag:	Tag Free
Symbol:	ILRUN
Synonyms:	C6orf106; dj391O22.4; FP852
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024294, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGCATGGACGTAGACCTGGACCCGGAGCTGATGCAGAAGTTCAGCTGCCTGGGCACCACCGACA  
AGGACGTGCTCATCTCCGAGTTCAGAGGCTGCTCGGCTTCCAGCTCAATCCTGCCGTTGCGCCTTCTT  
CCTGGACATGACCAACTGGAACCTACAAGCAGCAATTGGCGCCTATTGACTTTGAGAGCCCAAACATC  
AGTGTGCCCTCTATGTCCTTTGTTGAAGATGTCCCATAGGAGAAGGGGAGTCAATACCTCCGGATACTC  
AGTTTGTAAAACATGGCGGATCCAGAATTCTGGGGCAGAGGCCCTGGCCTCCAGGGGTTTGTCTTAATA  
TGTCGGGGGAGACCAATTTGGACATGTGAACATGGTGATGGTGAGATCGCTAGAGCCCAAGAGATTGCA  
GATGTCAGCGTCCAGATGTGCAGCCCAGCAGAGCAGGAATGTATCAGGGACAGTGGCGGATGTGCACTG  
CTACAGGACTCTACTATGGAGATGTCATCTGGGTATTCTCAGTGTGGAGTGGTGGACTTTTAGGAGT  
AACGCAGCAGCTGTCATCTTTTGAACGGAGTTCAACACACAGCCGCATCGTAAGGTAGAAGGAACTTC  
AACCCCTTTGCTCTCCCAAAAAGAACCGACAATCAGATGAAAACAACCTAAAAGACCCTGGGGGCTCCG  
AGTTCCGACTCGATCAGCAAAAACACATGGGCTCCTGCTCCTGACACATGGGCTCCTGCTCCTGACAAAC  
TGAGCAAGACCAGAATAGACTGTCACAGAACTGTAAATCTGTCTCCAGCAGTCACGCAAAACAACCTA  
TCAGTAGTGACTTACAGTAAGGGGCTCCATGGGCCTTACCCTTCGGCCAGTCTTAA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_024294 unedited  
 GGTTCACTATTTTGTAAACACGACTCACTATAGGGCGGCCGCGCAATTCGCACGAGGCGGC  
 GGCGCGCGCGCGCTTGGTTGTGAAGAGGCGGGGAAGCGGGTGTCCGGTCCCCGCCATGG  
 AGGGCATGGACGTAGACCTGGACCCGGAGCTGATGCAGAAGTTCAGCTGCCTGGGCACCA  
 CCGACAAGGACGTGCTCATCTCCGAGTTCAGAGGCTGCTCGGCTTCCAGCTCAATCCTG  
 CCGGTTGCGCCTTCTTCTGGACATGACCAACTGGAACCTACAAGCAGCAATTGGCGCT  
 ATTATGACTTTGAGAGCCAAACATCAGTGTGCCCTCTATGTCTTTGTTGAAGATGTCA  
 CCATAGGAGAAGGGGAGTCAATACCTCCGATACTCAGTTTGTAAAAACATGGCGGATCC  
 AGAATTCTGATGTCATCTGGGTGATTCTCAGTGTGGAGGCGGGTGGACTTTTACGAGTAA  
 CGCAGCAGCTGTCCATCTTTTGAACGGAGTTCAACACACAGCCGCATCGCAAGGTAGAA  
 GGAAACTTCAACCCTTTTGCCTCTCTCAAAGAACCACAATCAGATGAAAAACAACTCA  
 TAAGACCTGCGGGCTTCGAGNTCCAATCGATCAGCAAAAAACATTGGGCTCCTGCCTC  
 CTGACACATGGGCTTCTGCTTCTTGACCAAAGTACGCAAGACCAGAATACACTGTCCCA  
 GAACCTGCAATCCGTCTCCATTACTCCTGTCCACCCCTTATCGCATCGCCTTACAGGA  
 ACGGGCTCCATGGGCTACCCCTTCCGCCACCCTTACCCGGTGGTCAACCGAACAATAATT  
 AACAAACGACAGAGGGCCGACTTTGGGGGTTGGGCAGGGGTTTTCTGGAATGCCACCAC  
 TCGCACAATCCCGGT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_024294 unedited  
 GGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAAGAAAACAATTT  
 TAATTGTTACAAGGGTGTGCAGAAGGACACCTCTCAGGCTTAAAAATCCCACGTCACCC  
 GAGATCTATCCTCAAGGCTTCTCTGCTGGCCACACAGGGAAGTTTGGTCTTACAGAGGG  
 TTCTGATGCTAACAAGCCACAGGTTGACGAATACAAATGTCAAAGGTGTAATCAACAG  
 AAGATTAAGAGAAAAGAGGAGGAAAAGGGTGATAACTATTGGCTGATGCCATTAATAAA  
 CAAATGGGGTCAGAGACTTCTGGAGTCATGTGGCAGGGCAGATGTACTCCTGTAGCACTG  
 ATCCGCAGAGTCTCAAACATGCCACGCCAATTTTACCTGAATCTTCCAGAACAAG  
 CACTATTCTATAAAGAATATGTTATCCCTTATTTAAAAAATAAAAGTGGGGAAAGAGGG  
 AAAAAATTAACATGTGCTCAAACTACAACCTTTCTGTAGGCAAAATAATTTTGTGTTA  
 AAAAGATGGCTTTTTTCCCCATTTTAACTTTTTCCCTTCCCGAGTAACCTAATGA  
 CTTGTTAGACTGATGCCTATAACAAAACCCAAAGTGGCTACATGGATTCTTCTTGGTAG  
 CCTCAACACCATTCTGTGATTACGATTCACACATGCATACTGAGTTNACTCAAAACTA  
 GNCTGTTCTGCTTCTTCTTCTTCCCGATGAGAGGGGGTCAGAGCCAGGGTCTGTG  
 CGATGTGGTCTGCATCCANAGAACCCTTGCCCTACCCCAAGTACGCCCTCTGCCTTTT  
 TGTATTTNTCTCTGCTGACCCGTTTTAAACTGGCCGANGGGTAGGCCCATGNACCCT  
 ACTGTAGTCACTCTGTAANTTGTGCTGACTGTGGAAGAAGATTACGAGTCTGTGAATC  
 TTTCTGG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_024294

**Insert Size:**

1680 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_024294.2](#), [NP\\_077270.1](#)

**RefSeq Size:** 4430 bp

**RefSeq ORF:** 897 bp

**Locus ID:** 64771

**UniProt ID:** [Q9H6K1](#)

**Cytogenetics:** 6p21.31

**Gene Summary:** 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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).