

Product datasheet for **RC224074**

ILRUN (NM_022758) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ILRUN (NM_022758) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ILRUN
Synonyms: C6orf106; dj391O22.4; FP852
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC224074 representing NM_022758
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGCATGGACGTAGACCTGGACCCGGAGCTGATGCAGAAGTTCAGCTGCCTGGGCACCACCGACA
AGGACGTGCTCATCTCCGAGTTCAGAGGCTGCTCGGCTTCCAGCTCAATCCTGCCGTTGCGCCTTCTT
CCTGGACATGACCAACTGGAACCTACAAGCAGCAATTGGCGCTATTATGACTTTGAGAGCCAAACATC
AGTGTGCCCTCTATGTCCTTTGTTGAAGATGTCACCATAGGAGAAGGGGAGTCAATACCTCCGGATACTC
AGTTTGTAAAAACATGGCGGATCCAGAATTCTGATGTCATCTGGGTGATTCTCAGTGTGGAGGTGGGTGG
ACTTTTAGGAGTAACGCAGCAGCTGTATCTTTTAAAACGGAGTTCAACACACAGCCGCATCGTAAGGTA
GAAGGAAACTTCAACCCTTTTGCCTCTCCCAAAGAACCACAATCAGATGAAAACAACCTAAAAGACC
CTGGGGCTCCGAGTTCGACTCGATCAGCAAAAACACATGGGCTCCTGCTCCTGACACATGGGCTCCTGC
TCCTGACCAAACTGAGCAAGACCAGAAATAGACTGTCACAGAACTCTGAAATCTGTCTCCAGCAGTCAAC
GCAAAACAATTATCAGTAGTGACTTACAGTAAGGGGCTCCATGGGCTTACCCCTTCGGCCAGTCT

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC224074 representing NM_022758
Red=Cloning site Green=Tags(s)

MEGMDVDLDPQLMQKFSCLGTTDKDVLISEFQRLGFLNPAGCAFFLDMTNWNLQAAIGAYYDFESPNI
 SVPSMSFVEDVTIGEGESIPPDTQFVKTWRIQNSDVIWVILSVEVGGLLGVTTQLSSFETEFNTQPHRKV
 EGNFNPFASPQKNRQSDENNLKDPGGSEFDSISKNTWAPAPDTWAPAPDQTEQDQNRLSQNSVNLSPSSH
 ANNLSVVTYSKGLHGYPYFGQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4073_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022758

ORF Size: 696 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:

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_022758.6](#)

RefSeq Size: 4232 bp

RefSeq ORF: 699 bp

Locus ID: 64771

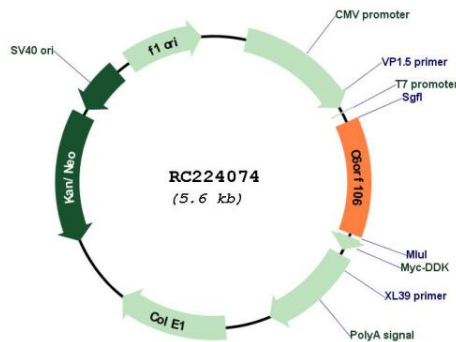
UniProt ID: [Q9H6K1](#)

Cytogenetics: 6p21.31

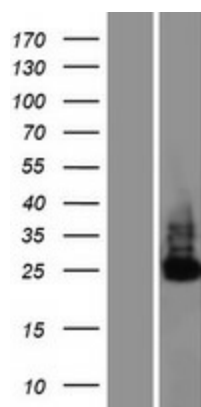
MW: 25.5 kDa

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]

Product images:



Circular map for RC224074



Western blot validation of overexpression lysate (Cat# [LY411577]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224074 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).