

Product datasheet for **RG209929**

ILRUN (NM_024294) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ILRUN (NM_024294) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ILRUN
Synonyms:	C6orf106; dj391O22.4; FP852
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209929 representing NM_024294 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGCATGGACGTAGACCTGGACCCGGAGCTGATGCAGAAGTTCAGCTGCCTGGGCACCACCGACA
AGGACGTGCTCATCTCCGAGTTCAGAGGCTGCTCGGCTTCCAGCTCAATCCTGCCGTTGCGCCTTCTT
CCTGGACATGACCAACTGGAACCTACAAGCAGCAATTGGCGCCTATTGACTTTGAGAGCCCAAACATC
AGTGTGCCCTCTATGTCCTTTGTTGAAGATGTCACCATAGGAGAAGGGGAGTCAATACCTCCGGATACTC
AGTTTGTAAAAACATGGCGGATCCAGAATCTGGGGCAGAGGCCCTGGCCTCCAGGGGTTTGTCTTAATA
TGTCGGGGGAGACCAATTTGGACATGTGAACATGGTGATGGTGAGATCGCTAGAGCCCAAGAGATTGCA
GATGTCAGCGTCCAGATGTGCAGCCCCAGCAGAGCAGGAATGTATCAGGGACAGTGGCGGATGTGCACTG
CTACAGGACTCTACTATGGAGATGTCTCTGGGTGATTCTCAGTGTGGAGGTGGGTGGACTTTTAGGAGT
AACGCAGCAGCTGTATCTTTTGAACGGAGTTCAACACACAGCCGCATCGTAAGGTAGAAGGAACTTC
AACCCCTTTGCTCTCCCAAAAGAACCGACAATCAGATGAAAACAACCTAAAAGACCCTGGGGCTCCG
AGTTCGACTCGATCAGCAAAAACATGGGCTCCTGCTCCTGACACATGGGCTCCTGCTCCTGACCAAC
TGAGCAAGACCAGAATAGACTGTACAGAACTGTAAATCTGTCTCCAGCAGTCACGCAAAACAACCTTA
TCAGTAGTGACTTACAGTAAGGGGCTCCATGGGCTTACCCTTCGGCCAGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209929 representing NM_024294
Red=Cloning site Green=Tags(s)

MEGMDVDLDPELMQKFSLGTTDKDVLISEFQRLGFLNPAGCAFFLDMTNWNLQAAIGAYYDFESPNI
 SVPSMSFVEDVTIGEGESIPPDTQFVKTWRIQNSGAEAWPPGVCLKYVGGDQFGHVNMMVRSLEPQEIA
 DVSVMCSPSRAGMYQGQWRMCTATGLYYGDVIWVILSVEVGGLLGVTQQLSSFETEFNTQPHRKVEGNF
 NPFASPKNRQSDENNLKDPGGSEFDSISKNTWAPAPDTWAPADQTEQDQNRLSQNSVNLSPSSHANNL
 SVVTYSKGLHGPYPFGQS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024294

ORF Size: 894 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_024294.4](#)

RefSeq Size: 4430 bp

RefSeq ORF: 897 bp

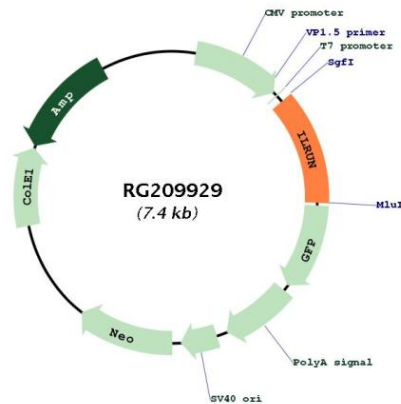
Locus ID: 64771

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]

Product images:



Circular map for RG209929