

Product datasheet for RC207245

ILP2 (BIRC8) (NM_033341) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ILP2 (BIRC8) (NM_033341) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ILP2 |
| Synonyms: | hILP2; ILP-2; ILP2; RNF136 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC207245 representing NM_033341 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGGTTATGAAGCCCGGCTCATTACTTTGGGACATGGATGTACTCCGTTAACAAAGAGCAGCTTG
CAAGAGCTGGATTTTATGCTATAGGTCAAGAGGATAAAGTACAGTGCTTTCAGTGTGGAGGAGGGCTAGC
CAACTGGAAGCCAAGGAAGATCCTTGGGAACAGCATGCTAAATGGTATCCAGGTTGCAAAATCTGCTA
GAAGAGAAGGGACATGAATATATAAACAACATTCATTTAACCCGTTCACTTGAGGGAGCTCTGGTACAAA
CTACCAAGAAAACACCATCACTAACTAAAAGAATCAGTGATACCATCTTCCCTAATCCTATGCTACAAGA
AGCTATACGAATGGGATTTGATTTCAAGGACGTTAAGAAAATAATGGAGGAAAGAATTCAAACATCTGGG
AGCAACTATAAAACGCTTGGGGTCTTGTGTCAGATCTAGTGAGCGCTCAGAAAGACACTACAGAAAATG
AATTGAATCAGACTTCATTGCAGAGAGAAATCAGCCCTGAAGAGCCGCTAAGGCGTCTGCAAGAGGAGAA
GCTTTGTAATCTGCATGGACAGACATATCGCTGTTGTTTTATTTCCTTGTGGACATCTGGTCACTTGT
AAACAATGTGCTGAAGCAGTTGACAGATGTCCCATGTGCAGCATGGTTATTGATTTCAAGCAAAGAGTTT
TTATGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207245 representing NM_033341
 Red=Cloning site Green=Tags(s)

MTGYEARLITFGTMYSVNKEQLARAGFYAIGQEDKVQCFHCGGLANWPKEDPWQHAHWYPGCKYLL
 EEKGHEYINNIHLTRSLEGALVQTTKTPSLTKRISDTIFPNPMLQEAI RMGFDFKDVKKIMEERIQTSG
 SNYKTLGVLVADLVSAQKDTTENELNQTSLQREI SPEEPLRRLQEELCKICMDRHIAVVFIPCGHLVTC
 KQCAEAVDRCPMCSMVIDFKQRFVMS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2950_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_033341

ORF Size: 708 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_033341.4](#), [NP_203127.3](#)

RefSeq Size: 2047 bp

RefSeq ORF: 711 bp

Locus ID: 112401

UniProt ID: [Q96P09](#)

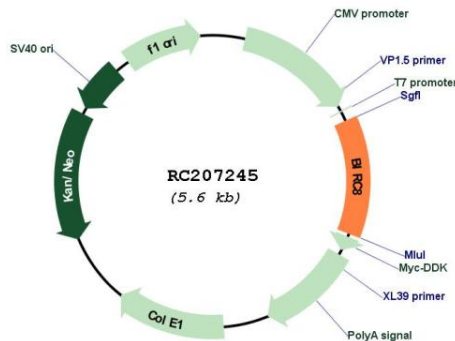
Cytogenetics: 19q13.42

Protein Families: Druggable Genome

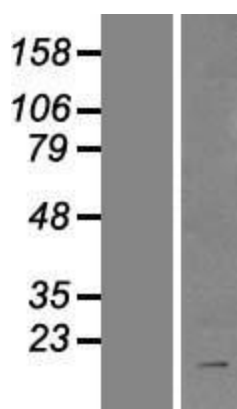
MW: 26.9 kDa

Gene Summary: Protects against apoptosis mediated by BAX.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC207245



Western blot validation of overexpression lysate (Cat# [LY409594]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207245 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).