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# Product datasheet for RC204363

## EVI5L (NM_145245) Human Tagged ORF Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | EVI5L (NM_145245) Human Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | EVI5L |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**ORF Nucleotide Sequence:**

>RC204363 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGAGCCCCACTCTGAGCCCCGACTCCTCATCCCAGGAGGCCCTGTCGGCCCCCACCTGCTCCCCAA
CCTCTGACTCCGAGAACCTCAGCCCCGATGAGCTGGAGCTGCTGGCCAAGCTCGAAGAGCAGAACCGGCT
CCTGGAGGCCGACTCCAAGTCCATGCGCTCCATGAATGGCTCGCGGCGGAACAGTGGCTCCTCGCTAGTG
TCCAGCTCCTCGGCCTCCTCCAACCTGAGCCACCTGGAGGAGGACACGTGGATCCTGTGGGGCCGGATCG
CCAACGAGTGGGAGGAGTGGCGGCGCAGGAAGGAGAAGCTGCTCAAGGAGCTGATCCGCAAGGGCATCCC
CCACCACTTCCGGGCCATCGTGTGGCAGCTTCTGTGCAGCGCCACGGACATGCCCGTCAAGAACCAGTAC
TCCGAGCTGCTCAAGATGTCCTCGCCGTGCGAGAAGCTGATCCGCAGGGACATCGCCCGCACCTACCCGG
AACACGAGTTCTTCAAGGGCCAGGACAGCCTGGGCCAGGAGGTCCTCTTCAACGTCATGAAGGCATACTC
GCTGGTAGACCGGGAGGTGGGCTACTGCCAGGGAAGCGCCTTCATCGTGGGCCTGCTCCTCATGCAGATG
CCTGAGGAGGAGGCCTTCTGTGTGTTCGTGCGGCTGATGCAGGAGTACCGGCTGCGGGAGCTCTTCAAAC
CCAGCATGGCCGAGCTCGGGCTCTGCATCTATCAGTTCGAGTACATGCTGCAGGAGCAGCTCCCAGACCT
CAACACCCACTTCCGTTCCCAAAGCTTCCACACATCCATGTATGCCTCGTCCTGGTTCCTCACACTGTTC
CTGACCACCTTCCCACTCCCCGTCGCCACCCGGGTCTTTGACATCTTCATGTATGAGGGGCTGGAGATCG
TGTTCCGAGTGGGCCTCGCCCTGCTGCAGGTGAACCAGGCGGAGCTGATGCAGCTGGACATGGAGGGGAT
GTCCCAGTACTTCCAGAGAGTGATCCCCCACCAGTTCGACAGCTGCCCGGACAAGCTGGTCCTCAAAGCC
TACCAGGTCAAGTACAACCCCAAGAAGATGAAGAGGCTGGAGAAGGAGTACGCAGCCATGAAGAGCAAGG
AGATGGAGGAGCAGATCGAGATCAAAAGACTTCGGACGGAGAACCGGCTCCTGAAACAGCGGATTGAAAC
CCTAGAGAAGGGGCAAGTGACACGGGCGCAGGAGGCGGAGGAGAACTACGTCATCAAGCGGGAGCTGGCG
GTGGTGCGGCAGCAGTGCAGCTCGGCGGCCGAGGACCTGCAGAAGGCACAGAGCACCATCCGGCAGCTAC
AGGAGCAGCAGGAGAACCCCCGCCTCACAGAAGACTTCGTGTCCCACCTGGAGACCGAGCTGGAGCAGTC
GAGGCTGCGGGAGACGGAGACACTGGGGGCCCTTCGGGAGATGCAGGACAAGGTTCTCGACATGGAAAAG
AGGAACAGCTCGCTGCCCGACGAGAACAATGTGGCGCAGCTGCAGGAGGAGCTGAAGGCGCTCAAGGTGC
GGGAAGGCCAGGCGGTGGCCTCGACGCGAGAGCTTAAACTGCAGCTGCAGGAGCTCTCGGACACCTGGCA
GGCCCATCTGGCCCGCGGCGGCCGCTGGAAGGAGTCCCCACGGAAGCTGGTCGTGGGCGAGCTGCAGGAC
GAGCTGATGAGCGTGCGTCTGCGCGAGGCCCAGGCCCTGGCCGAGGGCCGCGAGCTGCGGCAGCGCGTGG
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GCAGGAGAAGCTGCAGTACCTGGCTGCACAGAACAAGGGGCTGCAGACGCAGCTCAGCGAAAGCCGCCGC
AAGCAGGCCGAGGCCGAGTGCAAGAGCAAGGAGGAGGTGATGGCTGTGCGACTGCGGGAGGCGGACAGCA
TGGCTGCGGTGGCCGAGATGCGGCAGCGCATTGCCGAGCTGGAGATCCAGAGGGAGGAAGGCCGCATCCA
GGGCCAGCTGAACCACTCGGACTCATCGCAGTACATCCGCGAGCTCAAGGACCAGATCGAGGAGCTGAAG
GCCGAGGTGCGGCTGCTGAAGGGCCCGCCGCCCTTCGAGGACCCGCTGGCTTTCGATGGGCTGAGCCTGG
CGCGGCACTTGGACGAGGACTCGCTGCCGTCGTCGGACGAGGAGCTACTTGGCGTAGGCGTGGGCGCTGC
CCTGCAGGACGCATTGTACCCTCTGTCCCCGCGCGATGCGCGCTTCTTCCGCCGTCTGGAGCGGCCGGCC
AAGGACAGCGAGGGCAGCTCAGACAGCGACGCCGATGAGCTGGCCGCGCCCTACAGCCAGGGTCTGGACA
AC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC204363 protein sequence
Red=Cloning site Green=Tags(s)

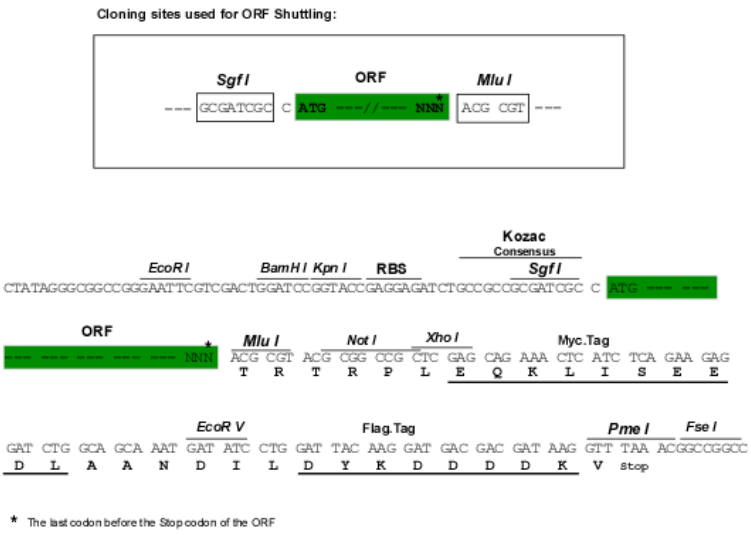
MASPTLSPDSSSQEALSAPTCSPTSDSENLSPDELELLAKLEEQNRLLEADSKSMRSMNGSRRNSGSSLV
SSSSASSNLSHLEEDTWILWGRIANEWEEWRRRKEKLLKELIRKGIPHHFRAIVWQLLCSATDMPVKNQY
SELLKMSSPCEKLIRRDIARTYPEHEFFKGQDSLGQEVLFNVMKAYSLVDREVGYCQGSAFIVGLLLMQM
PEEEAFCVFVRLMQEYRLRELFKPSMAELGLCIYQFEYMLQEQLPDLNTHFRSQSFHTSMYASSWFLTLF
LTTFPLPVATRVFDIFMYEGLEIVFRVGLALLQVNQAELMQLDMEGMSQYFQRVIPHQFDSCPDKLVLKA
YQVKYNPKKMKRLEKEYAAMKSKEMEEQIEIKRLRTENRLLKQRIETLEKGQVTRAQEAEENYVIKRELA
VVRQQCSSAAEDLQKAQSTIRQLQEQQENPRLTEDFVSHLETELEQSRLRETETLGALREMQDKVLDMEK
RNSSLPDENNVAQLQEELKALKVREGQAVASTRELKLQLQELSDTWQAHLARGGRWKESPRKLVVGELQD
ELMSVRLREAQALAEGRELRQRVVELETQDHIHRNLLNRVEAERAALQEKLQYLAAQNKGLQTQLSESRR
KQAEAECKSKEEVMAVRLREADSMAAVAEMRQRIAELEIQREEGRIQGQLNHSDSSQYIRELKDQIEELK
AEVRLLKGPPPFEDPLAFDGLSLARHLDEDSLPSSDEELLGVGVGAALQDALYPLSPRDARFFRRLERPA
KDSEGSSDSDADELAAPYSQGLDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** https://cdn.origene.com/chromatograms/mk6580_h08.zip

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

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|---|---|
| **ACCN:** | NM_145245 |
| **ORF Size:** | 2382 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). |

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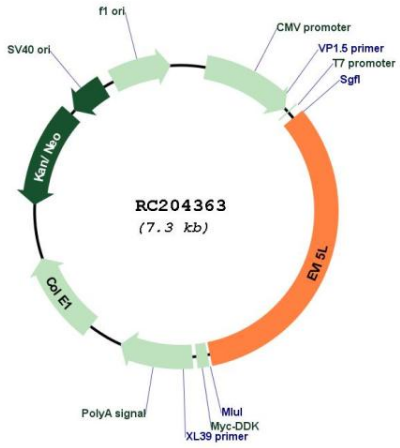
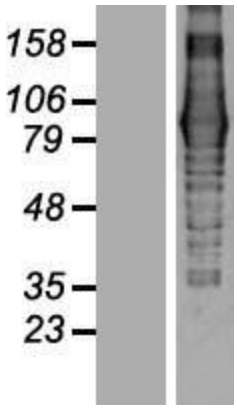
| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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. |
| **Note:** | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| **RefSeq:** | NM_145245.2, NP_660288.1 |
| **RefSeq Size:** | 3834 bp |
| **RefSeq ORF:** | 2385 bp |
| **Locus ID:** | 115704 |
| **UniProt ID:** | Q96CN4 |
| **Cytogenetics:** | 19p13.2 |
| **Domains:** | TBC |
| **Protein Families:** | Druggable Genome |
| **MW:** | 91.4 kDa |
| **Gene Summary:** | Functions as a GTPase-activating protein (GAP) with a broad specificity.[UniProtKB/Swiss-Prot Function] |

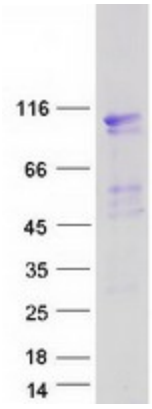
## Product images:




Circular map for RC204363




Western blot validation of overexpression lysate (Cat# [LY407979]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204363 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).




Coomassie blue staining of purified EVI5L protein (Cat# [TP304363]). The protein was produced from HEK293T cells transfected with EVI5L cDNA clone (Cat# RC204363) using MegaTran 2.0 (Cat# [TT210002]).