

## Product datasheet for **RR210320**

### II10 (NM\_012854) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** II10 (NM\_012854) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** II10  
**Synonyms:** IL10X  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR210320 representing NM\_012854  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGCTCAGCACTGCTATGTTGCCTGCTCTTACTGGCTGGAGTGAAGACCAGCAAAGGCCATTCCA  
TCCGGGGTGACAATAACTGCACCCACTTCCAGTCAGCCAGCCACATGCTCCGAGAGCTGAGGGCTGC  
CTTCAGTCAAGTGAAGACTTTCTTTCAAAGAAGGACCAGCTGGACAACATACTGCTGACAGATTCCTTA  
CTGCAGGACTTTAAGGGTACTGGGTTGCCAAGCCTTGTGAGAAATGATCAAGTTTACCTGGTAGAAG  
TGATGCCCCAGGCAGAGAACCATGGCCAGAAATCAAGGAGCATTGAATCCCTGGGAGAGAAGCTGAA  
GACCCTCTGGATACAGCTGCGACGCTGTATCGATTTCTCCCCTGTGAGAATAAAAGCAAGCAGTGGAG  
CAGGTGAAGAATGATTTAATAAGCTCCAAGACAAAGGTGCTACAAGGCCATGAATGAGTTTGACATCT  
TCATCAACTGCATAGAAGCCTACGTGACACTCAAATGAAAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR210320 representing NM\_012854  
Red=Cloning site Green=Tags(s)

MPGSALLCLLLLLAGVKTSKGHSIRGDNNCTHFPVSQTHMLRELRAAFSQQVKTFFQKKDQLDNILLTDSL  
LQDFKGYLGCQALSEMIKFYLVEVMPQAENHGPEIKEHLNSLGEKLTWQLRCHRFLPCENKSKAVE  
QVKNDFNKLQDKGVYKAMNEFDIFINICIEAYVTLKMKN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

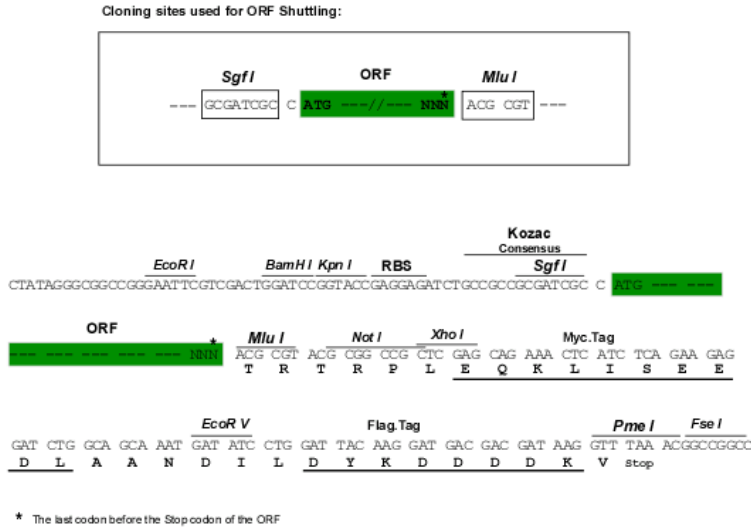
**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2306\\_e07.zip](https://cdn.origene.com/chromatograms/ja2306_e07.zip)



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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_012854

**ORF Size:** 534 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

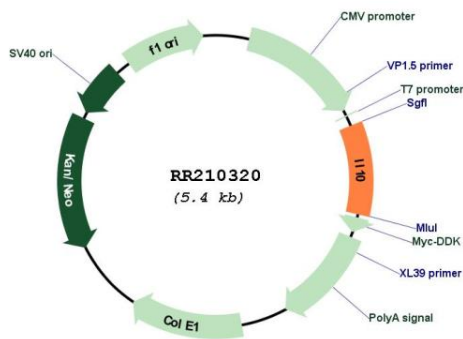
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_012854.2, NP\\_036986.2](#)  
 RefSeq Size: 682 bp  
 RefSeq ORF: 537 bp  
 Locus ID: 25325  
 UniProt ID: [P29456](#)  
 Cytogenetics: 13q13  
 MW: 20.9 kDa  
 Gene Summary: factor involved in the inhibition of cytokine synthesis [RGD, Feb 2006]

**Product images:**



Circular map for RR210320