

Product datasheet for **RR202989**

II7 (NM_013110) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: II7 (NM_013110) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: II7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202989 representing NM_013110
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCATGTTTCTTTTAGATATATCTTTGGAATTCCTCCCTGATCCTTGTGCTGCTGCCGGTCACAT
CGTCTGACTGTCACATTAAGACAAGGACGGTAAAGCCTTTGGGAGTGTGCTGATGATCAGCATCAATCA
ACTGGACAAAATGACAGGAAGTATAGTATTGCCCAAATAATGAACCAAACCTTTTTAAAAACATCTA
TGTGATGATACAAAGGAAGCTGCTTTTCTAAATCGTGTGCTCGCAAGTTGAGGCAATTTCTAAAATGA
ATATCAGTGAGGAATTCATGACCATTTACTAAGAGTTTCAGACGGCACACAAACACTGGTGAAGTGCAC
AAGCAAGGAAGAAAAACCATAAAGGAACAGAAAAAGAATGATCCATGTTTCTAAAGAGACTACTGAGA
GAGATAAAAACTTGTGGAATAAAATCTTGAACAGCAGTATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202989 representing NM_013110
Red=Cloning site Green=Tags(s)
MFHVSFRYIFGIPPLILVLLPVTSSDCHIKDKDGKAFGSVLMISINQLDKMTGTSDPCPNNEPNFFKKHL
CDDTKEAFLNRAARKLRQFLKMNISEEFNDHLLRVSDGTQLVNCTSKKEETIKEQKKNPCFLKRLLR
EIKTCWNKILNSSI

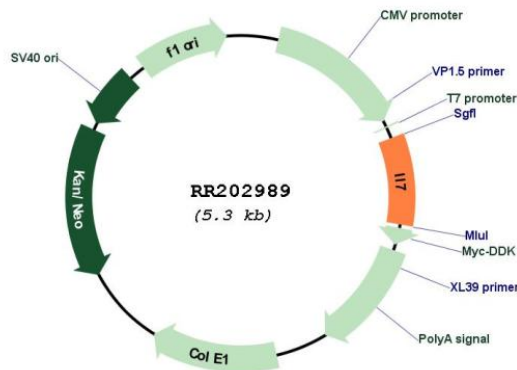
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:

ACCN:

NM_013110

ORF Size:

462 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:	<ol style="list-style-type: none">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:	<u>NM_013110.2</u> , <u>NP_037242.2</u>
RefSeq Size:	1128 bp
RefSeq ORF:	465 bp
Locus ID:	25647
Cytogenetics:	2q23
MW:	17.7 kDa
Gene Summary:	hematopoietic cytokine; involved in immune response and brain tumor growth [RGD, Feb 2006]