

Product datasheet for **RR205997**

EII (NM_001107304) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EII (NM_001107304) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR205997 representing NM_001107304
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGCTGAAGGAGCTCGGAGTTACGGTTGTCTGTGGCGCGTGAGCGACGGCAGCAGGGTGT
 CGGTATCCACGTGAAGCTCACCAGACGTCTGAAGGCTTTCGAGAGCTACCGGGCCACCAGGACTC
 TGTGTCTCTGAGACCATCCATCCGATTTGAAGGAAGCCAAAGACACATCTCCATACCCAGCCCGACTGC
 CCCGAGGAGGTGCGGGCCTTCTCCTTCTACCTCTCCAATATTGGCCGTGACAGCCCTCAGGGCAGCTTTG
 ATTGCATCCAACAATATGTATCCAGCCATGGGGATGTACACCTGGACTGCCTGGGAGCATCCAGGACAA
 GGTTACAGTATGCGCCACTGATGACTCCTACCAGAAGGCACGACAGAGCATGGCAGAGCAGAAGAGGAG
 ACTCGGAGCCGAAGCGCCATCGTCATTAAGCTGGAGGCAGATACATGGGAAAAAGGTTTCAGTTTCGGA
 AGCCAGCGCCAGGGCAGCTGATGCAGTCCCTCCGAAACGTGCCACCCCATTAACCTGGCAAGTGC
 CATCAGAAAGAGCAGTGGGGTGGAGCCAGCAGTGTGGTACAGAGGCCCTCCGAGATCGGGTGTGCAC
 CTCTGGCCCTGAGGCCCTACAGGAAGGCTGAGCTGTCTGCTGCGTTGCAGAAAGGATGGGCTGACACAGG
 CAGACAAGGACACCCTGGACAGCCTGCTGCAGCAGGTGGCCAGTGTGAACCCCAAGGACGGCAGCTGCAC
 ACTGCAGGACTGCATGTACAAAACGTGCAGAAGGACTGGCCCGGCTACTCTGAGGGTGACCAGCAGCTG
 CTGAAGCGTGTGCTATGCGGAAGCTGTGTGAGCCACAGAGTCCACCACAGACTCCAGCCCGCCAGGG
 AGCACAGGGGTTCCGCTCACCTTCTCAGAAACGGTACAGCAGACAGACTTCATTGATCCCCTGGCCAG
 CAAGAAGCCCGGATCTCACATTCACACAGCGAGCACAAACCCATCTCAATGGAAGACTGGGTGCCCC
 AATGGCCATGAGACTCTGCTGCCGCTCCAGTACCCACCCATCAGACACCCTCAGCTTAGCCATCTGC
 CCCACGGCTGGAGCCGCCACGGACCCACGACCCCTGGCTGATGTCAGTAATGACCTGGGCCACAGTAC
 CCAGGACTATAAGCACCCAGGAGGCCACCCAGCTCCAGCCTCCCGCTCGGTCTTCCCCTGCTGACGGAC
 TTTCTCAGGCTGAACAACCTGCTAGCTCCTCACATGTCCATAGCCGACCAAGAAGAAGTCCAAGAAGC
 ACAAAGACAAGGAGCGGCCCTGAAGAAAGGCCCCCGCCACAGCCTGACTCATCCACTGCCCTGC
 ACTGCCACAGATGCCAGGTCTGAATGGAGACTGTGCCAGTGTCCCATCCACATCAGAGACTCCG
 GACTACTGTGAAATACCCAGCCATCTCGTATCAGAGCAGCGTACAGACTACAAGAATGACTTCAATG
 CTGAATACAGCGAGTACCGAGTCTGCATGCTCGGATCGAGCAGATCACTCGCAGGTTACACAGCTCGA
 TGCACAGCTCAGACAGCTGAGCCAGGGCTGTGAGGAATACGAGACAACCCGCGGACAGATTTCCAGGAA
 TATAGGAAAATCAAAAAGACCAACCAACTACAGCCGAGAGAAGCGGCGCTGTGAGTACCTGCACCGCA
 AGCTGGCCGACATTAAGAGGCTCATCGCAGAGTATGACCAGCGGAGCTCCAGGCCTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205997 representing NM_001107304
 Red=Cloning site Green=Tags(s)

MAALKEARSYGLSCGRVSDGSRVSVFHVKLTDALKAFESYRAHQDSVSLRPSIRFEGSQGHISIPQPD
 PEEVRAF SFYLSNIGRDSPOGSFDCIQQYVSSHGDVHLDCLGSIQDKVTVCATDDSYQKARQSMQAEE
 TRSRSAIVIKAGGRYMGKKVQFRKPAPGAADAVPSRKRATPINLASAIRKSSGGGASSVVQRPFRDRVLH
 LLALRPYRKAELLLRLQKDGLTQADKDTLDSLLQQVASVNPKDGCTLQDCMYKNVQKDWPGYSEGQQ
 LKRVLMRKLCPQSATDSSPPREHRGSASPSQKRSQQTDFIDPLASKKPRISHFTQRAQPILNGRLGAP
 NGHETLLPAPVPTSDTLSSSHLPPRLEPPRTHDPLADVSNLDGHSTQDYKHQEATPAPASRLGLPLLTD
 FPQAEQPASSSHVSRPKKSKKHDKERPPEERPPAPQPSSTAPALPTDAPGLNGDCASVPTSTSETP
 DYLLKYPAISSSEQRSYKNDFAEYSEYRSLHARIEQITRRFTQLDAQLRQLSQGSEEYETTRGQILQE
 YRKIKKNTNYSREKRRCEYLHRKLAHIKRLIAEYDQRQLQAWP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

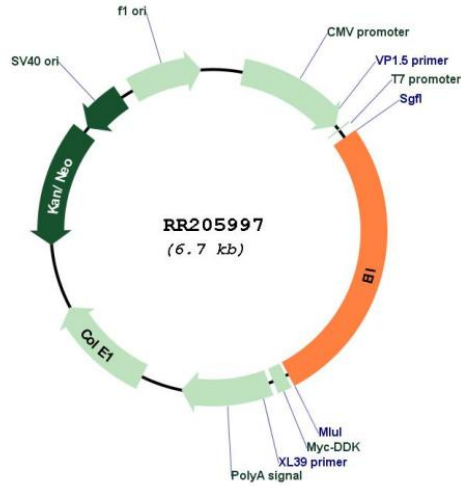
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001107304

ORF Size:	1812 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:	NM_001107304.2 , NP_001100774.1
RefSeq Size:	3069 bp
RefSeq ORF:	1815 bp
Locus ID:	306347
Cytogenetics:	16p14
MW:	67.4 kDa