

Product datasheet for **RR204277**

Eya3 (NM_001107910) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eya3 (NM_001107910) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eya3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR204277 representing NM_001107910
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGGAACCAGGAGAACAACCTTAAAGTCAAGTAAACAACCCAGACACCAGTATCAGAAGCCTGAGA
 CCGCCAGCCTTGGTCAAACCTTAGCATGTCAGAGGAAATATGACATGCACCGATTACATCCCTCGCTC
 ATCCAATGATTATACCTCACAAATGTATTCTGCAAAACCTTATGCACACATCCTCTCGGTTCTGTTTCG
 GAAACCACTTATCCTGGGAGACTCAGTACCAGACACTGCAGCAGTCTCAACCCTACGCTGTCTACCCTC
 AGGCAACCCAACTTATGGACTACCTCTTTGCTTCAAGCACAAATGCCAGCCTGATATCCACTTCATC
 TGCAATTGCCAATATTCCAGCAGCAGCCGTGGCCAGCATCTCAAACCAGGACTATCCACCTATACTATT
 CTTGGACAGAATCAGTACCAGGCTGCTACCCAGTTCAGCTTTGGAGTACAGGTCAGACTAACAGTG
 ATACTGAGAATACAGCATTAGCAGCTACAACGTACCAGACGGAGAAGCCTGGTGTATGGGACCTGCACC
 AGCCACACAGAGGCTTCTTCCGACTCGTCCACAAGCCACCTTTGTCCAGACAACACCAAATAAAGAT
 GCTGATGATCAGGCCAGGAAAAACATGACTGTCAAGAACCAGGCAAGAGGAAAGCTGACGCCAGCTCTT
 CCCAGGACAGCGAATTAGAACGGGTATTTCTCTGGGACTTGGATGAAACCATCATCATATTTTCATCCCT
 TCTTACCGGATCCTATGCTCAGAAGTATGGAAAGGACCCAACAGTCGTAATTGGCTCAGGTTAAACAATG
 GAAGAAATGATTTTTGAAGTGGCTGATACACATCTATTTTTCAATGACTTAGAAGAGTGTGACCAGGTGC
 ATGTGGAAGATGTGGCTTCTGATGACAAATGGCCAGGATTTGAGCAACTACAGTTTCTCAACAGATGGTTT
 CAGTGGTTCAGGAGGCAGCGGGAGCCACGGATCCTCTGTGGGAGTTCAGGGAGGTGTGGACTGGATGAGG
 AAAGTGGCCTTTCGCTACCGAAAAGTGAAGGAAATCTATGATAAGCATAAAAGCAACGTTGGTGGCCTTC
 TCAGCCCCCAGAGAAGGAGGCTCTGCAGCGGCTCAGAGCAGAGATCGAAGTGTGACGGACTCCTGGCT
 AGGAACCGCGCTGAAGTCTTGCTTCTCATCCAGTCTCGAAAGAATTGTGTGAATGTTCTGATCACTACC
 ACCCAGTTGGTTCAGCCCTGGCCAAGTTCTCCTGTATGGACTAGGAGAAATATTTCTATTGAGAACA
 TCTACAGTGTACAAAAATCGGTAAGGAGAGCTGCTTTGAGAGAATCGTTTCGAGATTTGGGAAAAAAGT
 CACATATGTAGTAATTGGAGATGGACGAGATGAAGAAATGCAGCCAAGCAGCACAAACATGCCCTTCTGG
 AGGATCACAACCATGGAGATCTGGTGTCCCTGCACCAGGCTTTAGAGCTCGACTTCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204277 representing NM_001107910
 Red=Cloning site Green=Tags(s)

MQEPGEQTL SQVNNPDTSDQKPETASLASNLMSSEEIMTCTDYIPRSSNDYTSQMYSAPYAHILSVPVS
 ETTYPGQTQYQTLQSQPYAVYPQATQTYGLPPFASSTNASLISTSSAIANIPAAAVASISNQDYPTYTI
 LGQNQYQACYPSSSFVGTQNSDTENTALAATTYQTEKPGAMGPAPATQRLPSDSSTSPPLSQTTPNKD
 ADDQARKNMTVKNRGRKADASSQDSELERVFLWDLDETIIFHSLLTGSYAQKYGKDPVVIGSGLTM
 EEMIFEVADTHLFFNDLEECDQVHVEDVASDDNGQDLSNYSFSTDGFSGSGSGSHGSSVGVQGGVDWMMR
 KLAFRYRKVREIYDKHKS NVGGLLSPQRKEALQRLRAEIEVL TDSWLGTALKSLLLIQSRKNCVNVLITT
 TQLVPALAKVLLYGLGEIFPIENIYSATKIGKESCFERIVSRFGKKVTVYVVIIGDRDEEIIAAKQHNMPFW
 RITNHGDLVSLHQALELDFL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001107910

ORF Size: 1530 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_001107910.1](#), [NP_001101380.1](#)
RefSeq Size: 3893 bp

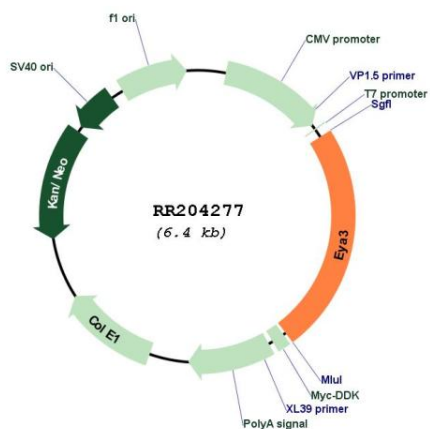
RefSeq ORF: 1533 bp

Locus ID: 313027

Cytogenetics: 5q36

MW: 55.9 kDa

Product images:



Circular map for RR204277