

Product datasheet for **RR217003**

Eya4 (NM_001271317) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eya4 (NM_001271317) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eya4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR217003 representing NM_001271317
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGATACCCAGGACCTAAATGAGCAGTCCGTAAGAAAACGTGCCAGAATCAGATGTTTCAGAAC
 CTCAGAATTCAGGTCTATGAAAATGCAAGACCTAGCAAGTCCCCATGCCTTGGTTGGAGGCAGTGACAC
 ACCTGGGAGCTCCAAGCTGGATAAATCCGGTCTCAGCAGCACTTCGGTCAACAACAAATGGGACAGGAGTG
 TCTCTTCTGAGTCAAAACAGAGCCCTTGACAGCAGTGAACCACTACCAGACTGGAGATGGAGCGC
 TTGACACTTTTACTGGGTGAGTAATAACCAGCAGTGGCTACAGCCCAGATCGGCACACCAGTACTCCCC
 ACAGCTGTACCCCTCAAGCCCTATCCACACATTTCTTTACACCAGCAGCTCAAACAATGTCGGCTAC
 GCAGGCCAGACTCAGTACTCTGGGATGCAGCAGCCAGCGGTCTACACAGCCTACTCGCAGACAGGGCAGC
 CCTACAGCCTGCCCGCTACGATCTTGGTGTGATGTTGCCAGCCATCAAGACGAAAAGTGGGCTTCCCCA
 AACTCAGTCCCCTTACAGAGTGGCTGCCTCAGCTACAGCCCTGGGTTTTCTACCCACAGCCAGGCCAG
 ACACCTTACTCTTACCAATGCCAGGCTCCAGTTTTGCACCATCATCCACTATTTATGCAATAATTCCG
 TCTCTAATTCAACAAATTTAGCGGCTCACAACAGGATTACCCATCGTACACAGCCTTTGGCCAAAACCA
 GTATGCTCAGTATTACTCAGCATCAACCTATGGGGCATACATGACTTCAAACAACACAGCCGATGGCACA
 TCGTATCCACCTCGACTTACCAGCTACAGGAATCTCTCCAAGGACTGACTAGCCAACCAGGAGAGTTTG
 ATACAGTGCAGAGCCATCCACACCAATCAAAGATCTTGATGACAGAACATGTAGAAGTTCTGGGTCAA
 GTCTCGAGGAAGAGGCCGAAAAATAATCCCTCCCACCTCCGGACAGTGACCTGGAGCGTGTGTTTGT
 TGGGACTGGATGAAACCATCATCGTCTCCACTCTCCTCACGGGCTTTACGCACAGAAGTACGGCA
 AGGATCCCCGATGGCTGTAACCCCTGGGCTCCGAATGGAAGAAATGATCTTTAATCTTGGCGGATACACA
 TTTGTTTTTAAACGACTTAGAGGAGTGTGATCAAGTTCATATAGATGATGTTTCCCGATGACAATGGT
 CAGGACTTAAGTACCTACAGTTTTGCAACTGATGGCTTCCATGCAACTGCAAGTAGTGCGAACCTTTGTT
 TGCCAACAGGTGTGAGAGGAGGGGTGGACTGGATGAGGAAGCTGGCTTTTCGTTACAGAAGAGTAAAGGA
 ATTATATAACACCTACAAGAACAATGTCGGAGGTCTCCTTGGCCCTGCCAAGAGGGATGCATGGCTGCAG
 TTAAGGGCAGAGATCGAAGGCCTAACAGATTCTGGCTAACAAATGCACTTAAGTCTTTATCAATTATTA
 GTACTAGGAGTAACTGTGTAATGTCTTGGTAACGACAACCCAGCTGATTCCTGCTCTTGCAAAAAGTCT
 GCTTTACAGCCTAGGAGGTGCTTTCCCATGAGAATATTTACAGCGCACTAAAATAGGCAAGGAAAGC
 TGTTTTGAGCGTATAGTGTCCAGATTTGGCACTAACATAACTTATGTTGTGATTGGAGATGGCCGAGACG
 AGGAGCACGGGCTAACCCAGCACAACATGCCCTTTGGAGGATATCAAGCCACTCGGACCTCTTGGCTCT
 ACATCAAGCACTGGAATTAGAGTATTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217003 representing NM_001271317
 Red=Cloning site Green=Tags(s)

MEDTQDLNEQSVKKTCPESDVSEPQNSRSMEMQDLASPHALVGGSDTPGSSKLDKSGLSSTSVTTNGTGV
 SLLAVKTEPLHSSETTTTTGDGALDFTGVSITSSGYSRPSAHQYSPQLYPSKPYPHILSTPAAQMTSAY
 AGQTQYSGMQQP AVYTAYSQTGQPYSLPAYDLGVMLPAIKTESGLPQTQSPLQSGCLSYSPGFSTPQPGQ
 TPYSYQMPGSSFAPSSTIYANNSVSNSTNFGSGSQDYPSYAFGQNYAQYYSASTYGAYMTSNNTADGT
 SSSSTSYQLQESLQGLTSQPGFDTVQSPSTPIKDLDDRTCRRSSGSKSRGRGRKNNPSPPPDSLERVFN
 WDLDETIIVFHSLLTGSYAQKYGKDPMAVTLGLRMEEMIFNLADTHLFFNDLEECDQVHIDDVSSDDNG
 QDLSTYSFATDGFHATASSANLCLPTGVRGGVDMRKLAFYRVRKELYNKYKNNVGGLLGPAKRDAWLQ
 LRAEIEGLTDSWLTNALKSLSIISTRNVCYNVLTVTTLIPALAKVLLYSLGGAFPIENIYSATKIGKES
 CFERIVSRFGTNIYVVIIGDGRDEEHAANQHMPFWRISSHSDLLALHQALELEYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001271317

ORF Size: 1848 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_001271317.1](#), [NP_001258246.1](#)

RefSeq Size: 3586 bp

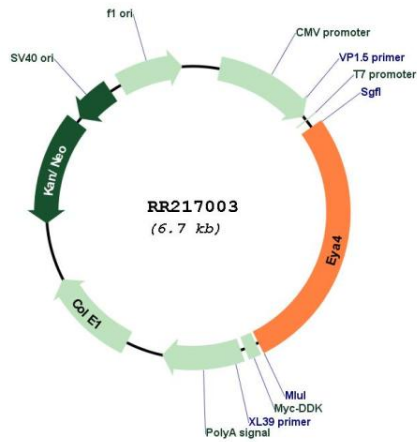
RefSeq ORF: 1851 bp

Locus ID: 292172

Cytogenetics: 1p12

MW: 66.9 kDa

Product images:



Circular map for RR217003