

Product datasheet for **RN215682**

Eya2 (NM_130427) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eya2 (NM_130427) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Eya2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215682 representing NM_130427
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTAGAAGTGGTATCTCACCAGCCTCGCAGCAAGCAGTACTGGGGCGAGCACGGTCCGGCCGTGG
 GGGCGCTGACTGACAGAGAAGGCCACCGCCAAAGCAGCCTCTCTGAGTGTCCCTCAGCTCTTTGCGAAGTC
 TACCCACGTGTCCCTCCGGGTCACTCCTGTCAGCCATGGCAGCCTATGGCCAGACACAGTACAGCACA
 GGCATCCAGCAGACGCCACCCTATACAGCGTACCCACCTCCGGCGCAAGCCTATGGAATCCCCCTTACA
 GTATCAAGACAGAAGACAGTTTGAATCACTCGCCAGCCAGAGTGGGTTCTGAGCTACGGACCGAGCTT
 CAGCACCGCGCTGCTGGACAGAGCCCCACACCTACCCAGTGCACAGCACCGCAGGGCTCTATCAAGGC
 GCCAACGATTGACCAACACGGCCGGATTTGGGAGCGTGCACCAGGATTACCCCTCTACCCCAACTTCC
 CACAGAACCAGTACCCCACTATTTAGCCCATCATAACAACCCGCCCTATGTCCAGCCAGCAGCCTCTG
 CTCTCGCCCTCTCCAGTCCACTACGTCCTCCAGGAGGCTCCTCACAATGTCAGCCAGAGTTCTGAG
 TCACTGGCCGGAGACTACAACACACACAACGGACCCTCCACGCCAGCAAAGGAGGGTGACACAGACAGGC
 CACATCGGGCCTCGGATGGGAACTACGGGGCCGGTCAAAGAGGAGTAGTGACCCCTCCCAAGTAGGAGA
 CAATGAAATTGAGCGCGTGTTCGTCTGGGACCTGGACGAGACAATCATCATTTTCCACTCCCTGCTCACA
 GGAACGTTTCGATCCAGATATGGGAAGGACACCACGACGTGAGTGCATCGGCCATGATGATGGAGGAGA
 TGATCTTCAACCTCGCTGACACACACCTGTTCTTCAATGACCTGGAGGACTGTGACCAAATCCACGTGGA
 TGATGTCTCATCCGATGACAATGGCCAGGACTTAAGCACATAAATCTCCACTGATGGTTTCCACAGC
 ACGGCCACAGGGCCAGCTTGTGCTGGGTACAGGTGTTACGGCGGTGGATTGGATGAGGAACTAG
 CCTTCCGCTACCGTCCGGTGAAGGAGATGTACAATACCTACCGCAACAACGTGGGGCGCTTGATAGCCGC
 TCCCAAAGAGAGACATGGCTGCAGCTGCGCGCTGAGCTGGAGGCCCTGACTGACCTCTGGCTCACCCAC
 TCCTGAAGGCCCTCAACCTCATCAACTCTCGACCAACTGTGTCAATGTGTTGGTCAACCCACACAAC
 TGATCCCTGCATTGGCCAAGTCTGCTGTATGGTCTGGGCTCCGTGTTCCCATCGAGAACATCTACAG
 CGCGACCAAGACAGGCAAGGAGAGCTGCTTCGAGAGGATCATGCAGAGGTTCCGGTCGAAAGCTGTCTAC
 ATCGTGATAGGCGACGGGTGGAGGAAGAGCAAGGAGCCAAAAAGCACAAATGCCGTTCTGGAGGATAT
 CCTGCCACGCTGACCTGGAGGCTCTGAGGCATGCCCTGGAAGTGGAGTATCTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_130427

Insert Size: 1596 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_130427.1](#), [NP_569111.1](#)

RefSeq Size: 1596 bp

RefSeq ORF: 1596 bp

Locus ID: 156826

Cytogenetics: 3q42

Gene Summary: member of the eyes absent (EYA) family of proteins; may play a role in eye development; mouse homolog may act as a transcriptional activator [RGD, Feb 2006]