

## Product datasheet for **MC228200**

### **Eya2 (NM\_001271962) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Eya2 (NM_001271962) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eya2
Synonyms:	Eab1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228200 representing NM\_001271962  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGTTAGAAGTGGTGACCTCACCAGCCTCGAACAAAGCAGTGACTGGAGCGAGCACGGTGCTGCCGTGG  
 GGACGCTGAGTGACAGGGAAGGCATCGCCAAATCAGCGGCTCTGAGTGTGCCTCAGCTCTTTGTGAAGTC  
 TCATCCACGTGTCCCTCCTGGTCAGTCTCCACAGCCATGGCGGCCTATGGCCAGACACAGTACAGCACA  
 GGCATTACGACAGGACACCCCTATACAGCGTACCCAATCCGGCGCAAGCCTATGGAATCCCCCTTACA  
 GCATCAAGACAGAAGACAGTTTGAATCACTCCCCAGCCAGAGCGGGTTCCTGAGCTATGGACCGAGCTT  
 CAGCACCGCGCTGCTGGACAGAGCCCTACACCTACCCCGTGCACAGCACCGCTGGGCTCTATCAAGGC  
 GCCAACGGAAGTACCAACACCGTGGATTTGGGAGCGTGACAGGATTATCCGTCTACCCAGCTTTT  
 CACAGAACCAGTACCCCACTATTTAGCCCATCATACAACCCGCCCTACGTCCCTGCCAGCAGCCTCTG  
 CTCTCGCCCTCTCCAGTCCACCTACGTCTCCAGGAGGCTCCTCACAATGTCCCGAGCCAGAGTTCT  
 GAGTCCCTGGCCGGAGACTACAACACACACACGACCCCTCCACACCAGCAAAGGAGGGTGACACAGAGA  
 GGCCACATCGAGCCTCGGATGGGAAGCTACGGGGCCGGTCAAAGAGAAATAGTGACCCCTCCCCAGCAGG  
 AGACAATGAAATCGAGCGCGTGTTCGTCTGGGACCTGGACGAGACAATCATTATCTTCCACTCCCTGCTC  
 ACAGGGACGTTTGCATCCAGATACGGGAAGGACACACGACGTCTGTGCGCATTGGCCTGATGATGGAGG  
 AGATGATCTTCAACCTTGCTGACACACACCTGTTCTTCAATGACCTGGAGGACTGTGACCAATCCACGT  
 GGATGATGTCTCATCCGATGACAATGGTCAGGATTTAAGCACATACAACCTCTCCACTGATGGCTTCCAC  
 AGCACGGCGCCAGGAGCCAGCTTGTGCCTGGGTACAGGTGTTATGGCGGTGTGGACTGGATGAGGAAAC  
 TGGCCTTCCGCTACCGTCTGTGAAGGAGATGTACAACACCTACCGCAACAACGTGGGTGGCTTGATAGG  
 TGCTCCCAAAAGAGAGACCTGGCTGCAGCTGCGCGCCGAGCTGGAGGCCCTGACTGACCTCTGGCTCACC  
 CACTCCCTGAAAGCCCTCAATCTCATCAACTCTGACCCAACTGTGTCAATGTGTGGTCAACACACGC  
 AACTGATCCCTGCATTGGCCAAGGTCTGCTGTACGGTCTGGGCTCCGTGTTCCCATCGAGAACATCTA  
 CAGTGCACCAAGACAGGCAAGGAGAGCTGCTTGAAGAATCATGCAGAGGTTTGGCCGCAAGCTGTC  
 TACATTGTGATAGGCGACGGGTAGAGGAAGAGCAAGGAGCCAAAAGCACAACATGCCTTTCTGGAGGA  
 TATCTGTGATGCTGACCTGGAGGCTCTAAGGCATGCCCTGGAAGTGGAGTATCTA**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001271962

**Insert Size:** 1599 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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_001271962.1](#), [NP\\_001258891.1](#)

**RefSeq Size:** 2283 bp

**RefSeq ORF:** 1599 bp

**Locus ID:** 14049

**UniProt ID:** [O08575](#)

**Cytogenetics:** 2 85.83 cM

**Gene Summary:** This gene encodes a member of the eyes absent protein family. The encoded protein is a tyrosine phosphatase which acts as a transcriptional activator during development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]  
 Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.