

Product datasheet for **MR230412**

Eya2 (NM_001271963) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eya2 (NM_001271963) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eya2
Synonyms:	Eab1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR230412 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTAGAAGTGGTGACCTCACCAGCCTCGCAACAAGCAGTGACTGGAGCGAGCACGGTGTGCCGTGG
 GGACGCTGAGTGACAGGGAAGGCATCGCCAAATCAGCGGCTCTGAGTGTGCCTCAGCTCTTTGTGAAGTC
 TCATCCACGTGTCCCTCCTGGTCAGTCCTCCACAGCCATGGCGGCTATGGCCAGACACAGTACAGCACA
 GGCATTACAGCAGGCACCACCTATACAGCGTACCCAATCCGGCGCAAGCCTATGGAATCCCCCTTACA
 GCATCAAGACAGAAGACAGTTTGAATCACTCCCCAGCCAGAGCGGGTCTGAGCTATGGACCGAGCTT
 CAGCACCGCGCTGTGGACAGAGCCCCACACCTACCCCGTGCACAGCACCGCTGGGCTCTATCAAGGC
 GCCAACGGACTGACCAACACCGCTGGATTTGGGAGCGTGCACCAGGATTATCCGCTACCCAGCTTTT
 CACAGAACCAGTACCCCACTATTTAGCCCATCATACAACCCGCTACGTCCTGCCAGCAGCCTCTG
 CTCTCGCCCTCTCCAGTCCACCTACGTCCTCCAGGAGGCTCCTCACAATGTCCCAGCCAGAGTTCT
 GAGTCCCTGGCCGGAGACTACAACACACAACCGACCCCTCCACACCAGCAAAGGAGGGTGACACAGAGA
 GGCCACATCGAGCCTCGGATGGGAAGCTACGGGGCCGGTCAAAGAGAAATAGTGACCCCTCCCAGCAGG
 AGACAATGAAATCGAGCGGTGTTCTGCTGGGACCTGGACGAGACAATCATTATCTTCCACTCCCTGCTC
 ACAGGGACGTTTGCATCCAGATACGGGAAGGACACCACGACGCTGTGCGCATTGGCCTGATGATGGAGG
 AGATGATCTTCAACCTTGGTGCACACACCTGTTCTTCAATGACCTGGAGGACTGTGACCAATCCACGT
 GGATGATGTCTCATCCGATGACAATGGTCAGGATTTAAGCACATACAACTTCTCCACTGATGGCTCCAC
 AGCACGGCGCCAGGAGCCAGCTTGTGCTGGGTACAGGTGTTATGGCGGTGGGACTGGATGAGGAAAC
 TGGCCTTCGGCTACCGTCTGTGAAGGAGATGTACAACACCTACCGCAACAACGTGGGTGGCTTGAATGG
 TGCTCCCAAAGAGAGACCTGGCTGCAGCTGCGCGCCGAGCTGGAGGCCCTGACTGACCTCTGGCTCACC
 CACTCCCTGAAAGCCCTCAATCTCATCAACTCTGACCCAACTGTGTCAATGTGTTGGTACCACCACGC
 AACTGATCCCTGCATTGGCCAAGGTCTGCTGTACGGTCTGGGCTCCGTGTTCCCATCGAGAACATCTA
 CAGTGGACCAAGACAGGCAAGGAGAGCTGCTTCAAAGAATCATGCAGAGGTTTGGCCGCAAAGCTGTC
 TACATTGTGATAGGCGACGGGTAGAGGAAGAGCAAGGAGCCAAAAGCACAACATGCCTTTCTGGAGGA
 TATCTGTGATGCTGACCTGGAGGCTCTAAGGCATGCCCTGGAAGTGGAGTATCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230412 protein sequence
 Red=Cloning site Green=Tags(s)

MLEVVTSPSLATSSDWSEHGAAVGTLSDREGIAKSAALSVPQLFVKSHRPVPPGQSSTAMAAYGQTQYST
 GIQQAPPYTAYPTPAQAYGIPPYSIKTEDSLNHSPSQSGFLSYGPSFSTAPAGQSPYTPVHSTAGLYQG
 ANGLTNTAGFGSVHQDYPSYPSFSQNYQPQYFSPSYNPPYVPASSLCSPLSTSTYVLQEAPHNVPSQSS
 ESLAGDYNTHNGPSTPAKEGDTERRPHRASDGKLRGRSKRNSDPSPAGDNEIERVFVWDLDETIIFHSL
 TGTAFASRYGKDTTTSVRIGLMEEMIIFNLADTHLFFNDLEDQIHVDDVSSDDNGQDLSTYNFSTDGFH
 STAPGASLCLGTGVHGGVDWMRKLAFRYRRVKEMYNTYRNNVGLIGAPKRETWLQLRAELEALTDLWLT
 HSLKALNLINSRPNVNLVTTTQLIPALAKVLLYGLGSVFPIENIYSATKTGKESCFERIMQRFRKAV
 YIVIGDVVEEQGAKKHMPFWRISCHADLEALRHAELEYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001271963

ORF Size: 1596 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_001271963.1](#), [NP_001258892.1](#)

RefSeq Size: 2459 bp

RefSeq ORF: 1599 bp

Locus ID: 14049

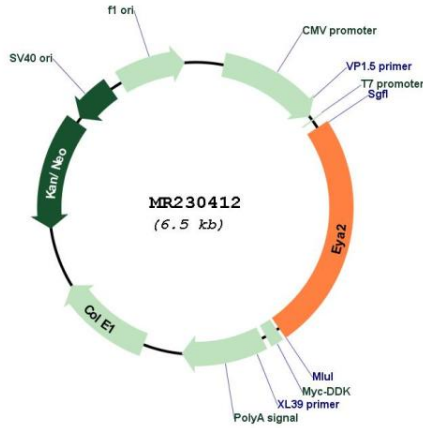
UniProt ID: [O08575](#)

Cytogenetics: 2 85.83 cM

MW: 58.2 kDa

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]

Product images:



Circular map for MR230412