

## Product datasheet for **SC217043**

### **EYA1 (NM\_172058) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	EYA1 (NM_172058) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	EYA1
Synonyms:	BOP; BOR; BOS1; OFC1
ACCN:	NM_172058
Insert Size:	1937 bp



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**Insert Sequence:**

>SC217043 3'UTR clone of NM\_172058

The sequence shown below is from the reference sequence of NM\_172058. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CACCATGCCTTGGAACTGGAGTACCTGTAAACAGCGCTCGGCACTTTGACAGCGCACAGCTGCTCTGTGA
CCAGGGACAGATCCAGCAGGCCAGTCTCGCATCAGCGCCGGCCTCCAGAACTTAGCAATTTCCGCCT
GGTGATGCGCAGTTGCTGTGAGTCTTGACCTCTGCCTTTGTGGTGAATGGAGGACCACGTCTATTTTCAT
CAGAACAGCTGTTGACTCTAGTACTGTGAATCCAGTGAATAAGCCATGAGAATGTTTTAGCACAGCG
TTATGTGCTGCCACATTAACACAGGTTCAAACCTGTGAAGAAAGGACCTGCAAACGCTTCAGTTGT
TAGCATTTTCAATGTGATATAAACAGCTTCTCCAATACAGCAAACCTAATGCACAACAGAGACTGAAA
TGTGTTTCTGAATACCAGTGGAGGAATTTTCTGTAAAGAAGGTTTACTTTTTGGTGTCTCATACCCA
GGGTAATCTGTACATCTCTACTTATTTATGAACAGACTTTTTTTAAAAAGATAAAAAACAGCTTTATT
GAGGTATAATTCACCCACAGACTTTTTTAAACATCAAATAATTGAAGAGACAATAGCATTAGAAAATAA
GTGATTAAGGCCTCTGCCTCACAAATGGCAAGTACAGTACTTTGAATTTTAGCACATTGCATAGTAG
TTTTAAGTATGTCTAATTTAAACGTATAATATGTACATCACTGAGACAATCATGTACAGAAAAGATTTT
TGGTGTAAATTTGTAATAATGGATAATCTTTTACATATTGTTTAGGGAAATGATATTGAAAGGTAGCA
ATGCCTGGATAGTGAAGCATGAGGCAGCACGTGCACAAATTCATGTGCCGTGCCTTATCTGAGTTTTCG
GTATAAATATGTAGATAATGGATTTTTTTTTTTAGATAATGTTGTCAAGACCAAAAGCATGGATGTCA
AGTGTGAGTAAGGATTTGTTTTCTAAAATTTTTCTGCATCAGTCTTCTGAGGGCCTTGATGAAAT
AACACAGCAGTTTCTTAAACAATTTGAAACAAAATGAGCTCTCCTACCACCTCACTTTTTTCATTTCCAC
ACTAATGTATTATGTAAGTACTTGGAAAAAATAATTATTCAAATGCTTCTTCCACAAAAGAATATAG
ATGATAGTAGATATATTTTATAAATAAATGGTTCATGAATCGGAGACTAACAAAGTTTTTCATGTGCTC
AGAATTATTAATTATCGTGTCTGCATTTTCTTTGATAAAGGAAGACACACGATGCTAATCCGGAATC
AGCAAACTTTGCATTACTCCCTATGTGCGTATTTTCTTTCTTCTTCTGTCACCCTGAGGAAGGTTTATT
GCCATTGTCATCACCATGGAAACAACGTTCTCTCCACCTGCATTATGACTACATGACAGGCATCAAT
CTGGGAAATAATAAAATATCACCTTTGTCAGACCATAAGAGTTTCTCCAAAAGTGGTCAGTTTGGCT
GGCAATATTTTCTCATCTAACAAACACAATCCATTGTGATGAAATACCTTAGGATGAGTCTTCT
TTAATCAATCATATATTGGCGGAAAAACACCAGCTTTGACCCGAAGTAGTTGAAGAGCTACTTCATT
CTTTTCTGAAGTTGTGTGTTGCTGCTAGAAATAGTCATTTGTGAATTATCCAAATGTTTAAATCACA
ATTGAATTAGTTTTTCTCCTTTTTGCTTGAAGCAAACAGTTGACAATTTTAACTTTTCATTTTAT
GTTTTTGTACTCTGCAGACTGAAAAGACAAAGTTTATCTTGGCCTTACTGTATAAAGGTGTGCTGTGTC
CACCGTTGTGACAGAATTTTCTCATTAAATTTGTGTTAAGTTAATAAAATTTATTTGTGATGTAC
TGTA
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
    
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**Restriction Sites:**

SgfI-MluI

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:**

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:**

NM\_172058.4

**Summary:** This gene encodes a member of the eyes absent (EYA) family of proteins. The encoded protein may play a role in the developing kidney, branchial arches, eye, and ear. Mutations of this gene have been associated with branchiootorenal dysplasia syndrome, branchiootic syndrome, and sporadic cases of congenital cataracts and ocular anterior segment anomalies. A similar protein in mice can act as a transcriptional activator. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Dec 2013]

**Locus ID:** 2138

**MW:** 74.9