

Product datasheet for **SC306709**

EYA1 (NM_172058) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EYA1 (NM_172058) Human Untagged Clone
Tag:	Tag Free
Symbol:	EYA1
Synonyms:	BOP; BOR; BOS1; OFC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306709 representing NM_172058.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAATGCAGGATCTAACCAGCCCGCATAGCCGTCTGAGTGGTAGTAGTGAATCCCCAGTGGCCCC
AAACTCGGTAACCTCATATAAATAGTAATTCATGACTCCCAATGGCACCGAAGTTAAACAGAGCCA
ATGAGCAGCAGTAAACAGCTTCAACGACAGCCGACGGGTCTTTAAACAATTTCTCAGGTTCAAGCAAT
GGGAGCAGTAGTTTCAGCCACGACCAACTCACCAGTTCTCTCCACCACAGATTTACCCTTCCAACAGA
CCATACCCACATATTCTCCCTACCCCTTCTCACAACTATGGCTGCATATGGGCAAACACAGTTTACC
ACAGGAATGCAACAAGCTACAGCCTATGCCACGTACCCACAGCCAGGACAGCCGTACGGCATTCTCTCA
TATGGTGCATTGTGGCAGGCATCAAGACTGAAGGTGGATTGTCACAGTCTCAGTACCTGGACAGACA
GGATTTCTCAGCTATGGCACAAGCTTCAAGTACCCCTCAACCTGGACAGGCACCATACAGCTACCAGATG
CAAGGTAGCAGTTTTACAACATCATCAGGAATATACAGGAAAATAATCACTCACAAATTCCTCTGGA
TTTAATAGTTACAGCAGGACTATCCGTCTTATCCCAGTTTTGGCCAGGGTCAAGTACGCACAGTATTAT
AACAGCTACCCGTATCCAGCACATTATATGACCAGCAGCAACACCAGCCCAACGACACCATCCACCAAT
GCCACTTACCAGCTTCAAGAACCGCCATCTGGCATCACCAGCCAAGCAGTTACAGATCCCACAGCAGAG
TACAGCACAATCCACAGCCCATCAACACCATTAAAGATTAGATTCTGATCGATTGGCTCGAGGTTCA
GATGGGAAATCACGTGGACGGGGCCGAAGAAACAATAATCCTTACCTCCCCAGATTCTGATCTTGAG
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AACAGATATGGGAGGGATCCACCCTTCAAGTTTCCCTTGGACTGCGAATGGAAGAAATGATTTTCAAC
TTGGCAGACACACATTTATTTTTAATGACTTAGAAGAATGTACCAAGTCCATATAGATGATGTTTCT
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AAAGCACTCTCGCTCATTCACTCCCGACAAAAGTGTGAATATTTAGTAACAATACTCAGCTCATC
CCAGCATTGGCGAAAAGTCTGCTGTATGGGTTAGGAATTGATTTCCAATAGAAAATATTTACAGTGCA
ACTAAAATAGGAAAAGAAAGCTGTTTTGAGAGAATAATCAAAGTTTGGAAAGAAAGTGGTGTATGTT
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AGCCACTCGGACCTCATGCCCTGCACCATGCCTTGGAACTGGAGTACCTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_172058

Insert Size: 1779 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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_172058.3
RefSeq Size:	3933 bp
RefSeq ORF:	1779 bp
Locus ID:	2138
UniProt ID:	Q99502
Cytogenetics:	8q13.3
Protein Families:	Druggable Genome, Phosphatase, Transcription Factors
MW:	64.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (EYA1B) differs in the 5' UTR compared to variant EYA1C. Variants EYA1B and EYA1C encode the same isoform (1).</p>