

Product datasheet for **SC319148**

EYA2 (NM_172110) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EYA2 (NM_172110) Human Untagged Clone
Tag:	Tag Free
Symbol:	EYA2
Synonyms:	EAB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_172110.1
GGCAGCGGCAACGGCAGAGACAGCAACGTGCCCGCCGAGTCAGCCCGGCCTCGTCGGAC
CCGCACCGGCCCGCCCGCCCGCCGACCGCGTCGGGGCGCCCTCTCCACTGCGCGCGGT
ACAAGGAAATGGTAGAACTAGTGATCTCACCCAGCCTCACTGTAACAGCGATTGTCTGG
ATAAACTGAAGTTAACCGTGCTGACGCTGCTGTGTGGACTCTGAGTGACAGACAAGGCA
TCACCAAATCGGCCCCCTGAGAGTGTCCAGCTCTTCTCCAGATCTTGCCACGTGTCC
TCCCCCGCCAGCCTTCCACAGCCATGGCAGCCTACGGCCAGACGCAGTACAGTGCAGGGA
TCCAGCAGGCTACCCCTATACAGCTTACCCACCTCCAGCACAAGCCTATGGAATCCCTT
CCTTCAGCACCTCACCCACTGGACAGAGCCATACACCTACCAGATGCACGGCACAAACAG
GGTTCTATCAAGGAGGAAATGGACTGGGCAACGCAGCCGGTTTCGGGAGTGTGCACCAGG
ACTATCCTTCTACCCCGGCTTCCCCAGAGCCAGTACCCCACTATTACGGCTCATCCT
ACAACCTCCCTACGTCCCGCCAGCAGCATCTGCCCTTCGCCCTCTCCACGTCCACCT
ACGTCTCCAGGAGGCATCTCACAACGTCCCAACCAGAGTTCGAGTCACTTGTGTGGT
AATACAACACACACAATGGACCTCCACACCAGCGAAAGAGGGAGACACAGACAGGCCGC
ACCGGGCTCCGACGGGAAGCTCCGAGGCGGTCTAAGAGGAGCAGTGACCCGTCCCGG
CAGGGGACAATGAGATTGAGCGTGTGTTGTTGTTGGGACTTGGATGAGACAATAATATTT
TTCACCTCTTACTCACGGGGACATTTGCATCCAGATACGGGAAGGACACCACGACGTCCG
TGCGCATTGGCCTTATGATGGAAGAGATGATCTTCAACCTTGAGATACACATCTGTTCT
TCAATGACCTGGAGGATTGTGACCAGATCCACGTTGATGACGCTCATCAGATGACAATG
GCCAAGATTTAAGCACATACAACTTCTCCGCTGACGGCTTCCACAGTTCGGCCCCAGCAG
CCAACCTGTGCCTGGGCTCTGGCGTGCACGGCGCGTGGACTGGATGAGGAAGCTGGCCT
TCCGCTACCGGCGGGTGAAGGAGATGTACAATACCTACAAGAACAACGTTGGTGGTTGA
TAGGCACCTCCAAAAGGGAGACCTGGCTACAGCTCCGAGCTGAGCTGGAAGCTCTCACAG
ACCTCTGGCTGACCCACTCCCTGAAGGCACTAAACCTCATCAACTCCCGGCCAACTGTG
TCAATGTGCTGGTCACCACCACTCAACTAATTCCTGCCCTGGCCAAAGTCTGCTATATG
GCCTGGGGTCTGTGTTTCTATTGAGAATCTACAGTGAACCAAGACAGGGAAGGAGA
GCTGCTTCGAGAGGATAATGCAGAGATTCGGCAGAAAAGCTGTCTACGTGGTGATCGGTG
ATGGTGTGAAGAGGAGCAAGGAGCGAAAAAGCACAACATGCCTTTCTGGCGGATATCCT
GCCACGCAGACCTGGAGGCACTGAGGCACGCCCTGGAGCTGGAGTATTTATAGCAGGATC
AGCAGCATCTCCACCTGCCATCTCACCTCAGACCCCTCGCCTTCCCCACCTCCCCACC
GAGAACTCCAGAGACCCAGATGTTGGACACCAGGAAGGGGCCCCACAGCCGAGACGAGT
GTCCAGTGACCATCTCAGAAGCCGTCCATCAGTCCAAATGGGGGTCTGAGAAGGAAAGT
ACCCAACATTGGCTTCGAGATTTGACTTTGGGGAAAAGGGCTGGCTCGGAGTCTAGAC
TCTTCTGTAAGACTCACAGAACAAAAGCAAGGAATTGCTGATTTGGGGGTGCCTGGTGA
TGAGGAGGGGATGGGTTTGTCTTGTCTTTTAAATTTATGGACTAGTCTCATTACTCC
GGAATTAATGCTCTGTACCTGTGTGGCTGGGTTTCTTAGTCGTTGGTTTGGTTTGGTTTT
TTGAACTGGTATGTGGGGTGGTTCACAGTCTAATGTAAGCACTATTCTCCAAGTTGT
GCTTTGTGGGGACAATCATTCTTTGAACATTAGAGAGGAAGGCAGTTCAAGCTGTTGAAA
AGACTATTGCTTATTTTTGTTTTAAAGACCTACTTGACGTCATGTGGACAGTGCACGTG
CCTTACGCTACATCTTGTCTTCTAGGAAGAGGGGATGCTGGGAAGGAATGGGTGCTTTG
TGATGGATAAAAGGCATTAATAAAACCACGTTTACATTTTGAIAAAAAAAAAAAAAAAAAA
AAAAAA
    
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Restriction Sites:

Please inquire

ACCN:

NM_172110

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_172110.1 , NP_742108.1
RefSeq Size:	2406 bp
RefSeq ORF:	1545 bp
Locus ID:	2139
UniProt ID:	O00167
Cytogenetics:	20q13.12
Protein Families:	Phosphatase, Transcription Factors
Gene Summary:	<p>This gene encodes a member of the eyes absent (EYA) family of proteins. The encoded protein may be post-translationally modified and may play a role in eye development. A similar protein in mice can act as a transcriptional activator. Alternative splicing results in multiple transcript variants, but the full-length natures of all of these variants have not yet been determined. [provided by RefSeq, Jul 2009]</p> <p>Transcript Variant: This variant (5) lacks an alternate in-frame segment in the 3' coding region, compared to variant 1, resulting in an isoform (c) that is shorter than isoform a.</p>