

## Product datasheet for **SC127978**

### **EYA3 (NM\_001990) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	EYA3 (NM_001990) Human Untagged Clone
Tag:	Tag Free
Symbol:	EYA3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001990, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGAAGAGCAAGATTTACCAGAGCAACCAGTGAAAAAGCCAAGATGCAGGAATCAGGAGAGCAAA
CTATAAGTCAAGTAAGCAATCCAGATGTCAGTGATCAGAAGCCTGAAACATCAAGCCTTGCTTCAAACCT
TCCCATGTGAGAGGAAATATGACATGCACCGATTACATCCCTCGCTCATCCAATGATTATACCTCACAA
ATGTATTCTGCAAAACCTTATGCACATATTCTCTCAGTTCTGTTTCGGAAACTGCTTACCCTGGACAGA
CTCAATACCAGACACTACAGCAGACTCAACCCTATGCTGTCTACCCTCAGGCAACCCAAACGTATGGACT
ACCTCCTTTTGGTGCATTGTGGCCAGGTATGAAACCTGAAAGTGGTTTAATTCAGACTCCATCTCCAAGT
CAACACAGTGTCTTACCTGCCTACAGGGTTAACACAAAGCCAGCCAAGCCAGCACATTATTCTTATC
CCATTCAAGCTTCAAGCACAAATGCCAGCCTGATATCTACTTCTTCTACAATTGCCAATATTCCAGCAGC
AGCAGTAGCCAGCATCTCAAACCAGGATTATCCCACCTATACTATTCTTGGTCAGAATCAGTACCAGGCC
TGCTACCCAGCTCCAGCTTTGGAGTACAGGTCAGACTAACAGTGATGCAGAGAGCACCACATTAGCAG
CAACCACATACCAGTCGGAGAAGCCTAGTGTCTGCGCCTGCACCTGCAGCACAGAGACTTTCCTCTGG
AGACCTTCTACAAGTCCATCTTTGTCACAGACTACACCAAGTAAAGATACTGATGATCAGTCCAGGAAA
AACATGACTAGCAAGAACCAGGGGCAAGAGGAAAGCTGATGCCACTTCTTCCAAGACAGTGAATTAGAAC
GGGATTTCTGTGGGACTTGGATGAAACCATCATCATCTTCCACTCACTTCTTACTGGATCCTATGCCCA
GAAATATGGAAAGGCCAACAGTAGTGATTGGCTCAGGTTTAAACAATGGAAGAAATGATTTTTGAAGTG
GCTGATACTCATCTATTTTTCAATGACTTAGAGGAGTGTGACCAGGTACATGTGGAAGATGTGGCTTCTG
ATGACAATGGCCAAGACTTGAGCAACTACAGTTTCTCAACAGATGGTTTCAGTGGCTCAGGAGGTAGTGG
CAGCCATGGTTTCATCTGTGGGTGTTGAGGAGGTGGACTGGATGAGGAAACTAGCTTTCGGCTACCGG
AAAGTGAGAGAAATCTATGATAAGCATAAAAGCAACGTGGTGGTCTCCTCAGTCCCAGAGGAAGGAA
CACTGCAGAGATTAAGAGCAGAAATGAAAGTTTTAACAGATTCTGGTTAGGAACTGCATTAAGTCTT
ACTTCTCATCCAGTCCAGAAAGAATTGTGTGAATGTTCTGATCACTACCACCCAGCTGGTCCAGCCCTG
GCCAAGTTTCTCTATATGGACTAGGAGAAATATTTCTATTGAGAATCTATAGTGCTACAAAATTG
GTAAGGAGAGCTGCTTTGAGAGAATTGTGTCAAGGTTTGGAAAGAAAGTACATATGTAGTGATTGGAGA
TGGACGAGATGAAGAAATGCAGCCAAACAGCACAACATGCCTTTCTGGAGGATCACAACCATGGAGAC
CTAGTATCCCTTACCAGGCTTTAGAGCTTGATTTTCTCTAA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_001990 unedited

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AAAGTACAAATTTTGTAAATACGACTCACTATAGGGCGGCCGCATAAATTCGTATAGCATA
CATTATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGCC
TCCGCTCGATTGGTTCTACTGTGGGTCTGGACTGATCTCCATGCTCCTGTTGTGGGGCTTT
TACAGCCTTTGGATTGTGAAAAGTCTGAGAGAGACTTGCAATCCAGTCACATAAGTATA
ATAAAGAAATATTGGTCTCATGGAAGAAGAGCAAGATTTACCAGAGCAACCAGTAAAA
AAGCCAAGATGCAGGAATCAGGAGAGCAAATAAAGTCAAGTAAGCAATCCAGATGTCA
GTGATCAGAAGCCTGAAACATCAAGCCTTGCTTCAAACCTTCCCATGTCAGAGGAAATTA
TGACATGCACCGATTACATCCCTCGCTCATCCAATGATTATACCTCACAATGTATTCTG
CAAAACCTTATGCACATATTCTCTCAGTTCTGTTTCGGAAACTGCTTACCCTGGACAGA
CTCAATACCAGACACTACAGCAGACTCAACCCTATGCTGTCTACCCTCAGGCAACCCAAA
CGTATGGACTACCTCCTTTTGGTGCATTGTGGCCAGGTATGAAACCTGAAAGTGGTTTAA
TTCAGACTCCATCTCCAAGTCAACACAGTGTCTTACCTGCACTACAGGGTTAACACAA
GCCAGCCAAGCCAGCACATTATTCTTATCCCATTCAAGCCTCAAGCACAAATGCCAGCC
TGATATCTACTTCTTCTACATTGCCAATATTTACAGCAGCAGCAGTAGCCAGCATCTCAA
ACCAGGATTATCCACCTATACTATTNCTTGGTCAGAATCAGTACCAGGCTGCTACCCC
AGCTTCAGCTTTGGAA
    
```

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001990

**Insert Size:**

2100 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001990.2</a> , <a href="#">NP_001981.2</a>
<b>RefSeq Size:</b>	6040 bp
<b>RefSeq ORF:</b>	1722 bp
<b>Locus ID:</b>	2140
<b>UniProt ID:</b>	<a href="#">Q99504</a>
<b>Cytogenetics:</b>	1p35.3
<b>Domains:</b>	Hydrolase
<b>Protein Families:</b>	Phosphatase, Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a member of the eyes absent (EYA) family of proteins. The encoded protein may act as a transcriptional activator and have a role during development. It can act as a mediator of chemoresistance and cell survival in Ewing sarcoma cells, where this gene is up-regulated via a micro-RNA that binds to the 3' UTR of the transcript. A similar protein in mice acts as a transcriptional activator. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>