

Product datasheet for **SC307667**

EYS (NM_198283) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EYS (NM_198283) Human Untagged Clone
Tag:	Tag Free
Symbol:	EYS
Synonyms:	bA74E24.1; bA166P24.2; bA307F22.3; C6orf178; C6orf179; C6orf180; dj22117.2; dj303F19.1; dj1018A4.2; EGFL10; EGFL11; RP25; SPAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC307667 representing NM_198283.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGACTGACAAATCAATCGTCATTCTGAGCCTGATGGTTTTTACAGCTCTTTCATAAATGGAAAAACA
TGTAGACGGCAATTGGTGAAGAATGGCATCCACAACCCTCATCATATGTGGTAAATGGACTAACA
GAAAACATCTGCTTGGACTTCTACAGAGATTGCTGGTTTTTGGGTGTAACACTAAAATAGATACTTCA
GGCAATCAAGCTGTTCCCCAGATTTGCCCTTTGCAAATCAATTAGGAGATATCCTTGTAATTTCTTCT
GAACCATCTTCAATTTCCAGAAATAAATTTGATGAATGTTTCTGAAACATCTTTCGTTGGCTGTGTG
CAAAATACCACAACGGAAGATCAGTTACTTTTTGGCTGCAGACTAAAAGGAATGCACACTGTTAATTCT
AAGTGGCTGAGTGTGGGACACATTATTTTATCACAGTTATGGCAAGTGGTCCATCACCTGTCCACTG
GGACTTCGACTAAATGTGACAGTAAACAGCAGTTCTGCCAGGAATCTCTGAGTTCAGAATTTTGTCT
GGTCATGGTAAATGTCTTAGTGAAGCTTGAGCAAGACATATAGCTGCCATTGCCAGCCTCCATTTTCT
GGAAAATACTGCCAGGAACCTTGATGCATGTTCTTTAAACCATGTAAAAATAATGCCAGTTGCATTAAT
AAAAGAGAAAATTTGGGATGAGCAAGCATATGAATGTGTCTGTACCCACCATTTACAGGAAAGAATTGC
TCAGAAAATAATTGGCCAGTGTCAACCACATGTCTGTTTCCATGGAAACTGCAGCAATATTACTTCAAT
AGTTTCATTTGTGAATGTGATGAGCAATTTTCCAGTCCATTCTGTGAGGTGTGAGCAAAACCTTGTGTT
TCTCTGCTTTTTTGGAAAAGAGGAATTTGCCCAATAGCAGTTCTGCTTATACTTATGAATGCCAAAA
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TGTGGAGTCACTTCCATGGTATTTGCCAAGATAAAGGTCCTGCTCAATTTGAATATGTGTGGCAATTG
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TGCCTGAAGATGCAACCTATGTGAACGATCCTGAAGATAATAATTCTTCATGTTGGTCCCACATGAA
GGCACAAAAGAGATTTGTCAAATGGATGCAGTTGTTGAGTGAAGAAGACAGTCAGGAATATCGGTAT
CTATGTTTTCTCAGATGGGCTGGCAACATGTATCTGAAAATACAACCTGATGATCAAGAAAATGAGTGT
CAACATGAAGCTGTTTGTAAAGATGAAATTAATAGACCCAGGTATTTATGTATCATTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_198283
- Insert Size:** 1785 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:	<u>NM_198283.1</u>
RefSeq Size:	2245 bp
RefSeq ORF:	1785 bp
Locus ID:	346007
UniProt ID:	<u>Q5T1H1</u>
Cytogenetics:	6q12
Protein Families:	Druggable Genome
MW:	66.9 kDa
Gene Summary:	<p>The product of this gene contains multiple epidermal growth factor (EGF)-like and LamG domains. The protein is expressed in the photoreceptor layer of the retina, and the gene is mutated in autosomal recessive retinitis pigmentosa. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (3) lacks several exons but contains alternate 5' and 3' exon structure, and it thus differs in its 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (3) has a substantially shorter and unique C-terminus, compared to isoform 1.</p>