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Product datasheet for SC326601

EYS (NM_001142801) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EYS (NM_001142801) Human Untagged Clone
Tag:	Tag Free
Symbol:	EYS
Synonyms:	bA74E24.1; bA166P24.2; bA307F22.3; C6orf178; C6orf179; C6orf180; dJ22I17.2; 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:

>SC326601 representing NM_001142801.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACTGACAAATCAATCGTCATTCTGAGCCTGATGGTTTTTCACAGCTCTTTCATAAATGGAAAAACA
TGTAGACGGCAATTGGTGGAAGAATGGCATCCACAACCCTCATCATATGTGGTAAATTGGACACTAACA
GAAAACATCTGCTTGGACTTCTACAGAGATTGCTGGTTTTTGGGTGTAAACACTAAAATAGATACTTCA
GGCAATCAAGCTGTTCCCCAGATTTGCCCTTTGCAAATTCAATTAGGAGATATCCTTGTAATTTCTTCT
GAACCATCTCTTCAATTTCCAGAAATAAATTTGATGAATGTTTCTGAAACATCTTTCGTTGGCTGTGTG
CAAAATACCACAACGGAAGATCAGTTACTTTTTGGCTGCAGACTAAAAGGAATGCACACTGTTAATTCT
AAGTGGCTGAGTGTTGGGACACATTATTTTATCACAGTTATGGCAAGTGGTCCATCACCTTGTCCACTG
GGACTTCGACTAAATGTGACAGTGAAACAGCAGTTCTGCCAGGAATCTCTGAGTTCAGAATTTTGCTCT
GGTCATGGTAAATGTCTTAGTGAAGCTTGGAGCAAGACATATAGCTGCCATTGCCAGCCTCCATTTTCT
GGAAAATACTGCCAGGAACTTGATGCATGTTCTTTTAAACCATGTAAAAATAATGGCAGTTGCATTAAT
AAAAGAGAAAATTGGGATGAGCAAGCATATGAATGTGTCTGTCACCCACCATTTACAGGAAAGAATTGC
TCAGAAATAATTGGCCAGTGTCAACCACATGTCTGTTTCCATGGAAACTGCAGCAATATTACTTCAAAT
AGTTTCATTTGTGAATGTGATGAGCAATTTTCAGGTCCATTCTGTGAGGTGTCAGCAAAACCTTGTGTT
TCTCTGCTTTTTTGGAAAAGAGGAATTTGCCCAAATAGCAGTTCTGCTTATACTTATGAATGCCCAAAA
GGATCTTCCAGCCAAAATGGTGAAACTGATGTCAGTGAGTTTTCATTAGTACCATGTCAGAATGGTACT
GACTGCATCAAAATATCAAATGATGTTATGTGCATCTGTTCACCAATATTTACAGATTTGCTTTGTAAG
AGCATTCAAACATCATGTGAGTCATTTCCTTTGAGGAATAATGCTACATGTAAGAAATGTGAGAAAGAT
TATCCTTGCAGCTGTATATCAGGATTTACTGAAAAAAACTGTGAGAAAGCAATTGACCACTGTAAACTG
CTCAGCATCAACTGTCTGAATGAAGAATGGTGTTTCAATATAATTGGAAGATTCAAATATGTATGCATT
CCAGGGTGCACAAAAAATCCATGTTGGTTTTTGAAGAATGTTTACCTAATTCATCAACACCTCTGCTAC
TGTGGAGTCACCTTCCATGGTATTTGCCAAGATAAAGGTCCTGCTCAATTTGAATATGTGTGGCAATTG
GGATTTGCAGGATCTGAAGGCGAAAAGTGCCAAGGGGTTATTGATGCCTATTTCTTTCTGGCTGCAAAC
TGCACTGAAGATGCAACCTATGTGAACGATCCTGAAGATAATAATTCTTCATGTTGGTTCCCACATGAA
GGCACAAAAGAGATTTGTGCAAATGGATGCAGTTGTTTGAGTGAAGAAGACAGTCAGGAATATCGGTAT
CTATGTTTTCTCAGATGGGCTGGCAACATGTATCTGGAAAATACAACTGATGATCAAGAAAATGAGTGT
CAACATGAAGCTGTTTGTAAAGATGAAATTAATAGACCCAGAAGAATCCTCAACACGGTGATACCACAC
CAAATTCAGCAACATATAGAAAGGTTTATACAGCATGACCAGGTGGGATTTATCGTAAGAATATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001142801

Insert Size: 1860 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:	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_001142801.1
RefSeq Size:	5462 bp
RefSeq ORF:	1860 bp
Locus ID:	346007
UniProt ID:	Q5T1H1
Cytogenetics:	6q12
Protein Families:	Druggable Genome
MW:	69.9 kDa
Gene Summary:	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] Transcript Variant: This variant (2) lacks several 3' exons but contains an alternate 3' terminal exon, and it thus differs in its 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a substantially shorter and unique C-terminus, compared to isoform 1. 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.