

Product datasheet for **SC123056**

QRX (RAX2) (NM_032753) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	QRX (RAX2) (NM_032753) Human Untagged Clone
Tag:	Tag Free
Symbol:	QRX
Synonyms:	ARMD6; CORD11; QRX; RAXL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>OriGene sequence for NM_032753 edited
CCACGCGTCCGGCGCCAGGCCCGCTGGGGCAGGTGTCCCCTGGAAATCGACGGAGGGGCT
GCCGTGGGCGGCCGTGACAGTCACAGAGAGGGGAAGAGAAAACAGGGACGGTGACACACA
CAGAGAGAAGGAAGAGCAGACAGAGGCACAGCAGGAGACCCCCCAAGCCCGAGGAGGAC
AGCCTGGGGATGCAGAGCACATGCCGGCCCCAGTGGAGGGAACCGATTCCCCGGAGCCG
GGAGGCAAGCCTGGGGCTCCCCTGCCCTGTCCCTGCCGGTAGCCCCCAGCCGTCTCCC
CACCATTGTCCCCTGCCGTCCCACCAGGTGGGAGCCATGTTCCCTGAGCCCGGGCGAGG
GGCCGGCAACCGAGGGTGGGGGTCTGGGGCCGGGCGAGGAGGCCCCCAAGAAGAAGCACC
GGAGGAACCGCACCACTTACCACCTACCAGCTGCACCAGCTGGAGCGGGCGTTTCGAGG
CCTCTACTACCCGATGTGTACAGCCGTGAGGAGCTGGCAGCCAAGGTGCACCTACCTG
AGGTGCGCGTGCAGGTGTGGTTCAGAACCGCCGGGCCAAGTGGCAGCCGAGGAGCGGC
TGGAGTCAGGCTCGGGTCCCGTGGCAGCTCCGAGACTCCCCGAGGCCCCAGCGTCCGT
TCGCCCCCCCCGGCCATGTCGCTGCCCTGGAGCCCTGGTGGGCCCGGACCGCCGG
CCGTGCCAGGCCCTCCCCGCCTCTGGGCCGGGCCGGGGCTGCAAGCGTCTTCGGGC
CTCATGCCTTTGCTCCCACCTTCGCAGATGGCTTCGCCCTGGAGGAGGCGTCCCTGCCGC
TGCTGGCCAAGGAACATGCACAGGCTCTGGACAGGGCCTGGCCGCCAGCCTGAGCCTGCC
GCCCTCCCGGGCCCCCTCCTCGGCCAACCAGAGAACCGGGGACGTGCCCTGGTGACAGC
CACCACGCTTGGCTAGGCCGAGGTGATGGAGCAACCGTGGTACAGGCCAGGCCACCACC
ACTGGGAGCGGGGACCAGAGAGCAGGCTGCTGGGTTCCTGCCCCATCCCGTCTCCCA
CCCCATCGCCACCCGCTCTGCTGGCAGCGGACTGGCCCCAGTGTGAGGAGGAGGTGAC
CCAAGTATTCTCAGGCCAGGTGCCGGGACCTCCTCCCCTCCTGGGGCCTCAGTCTCCTGT
CTGTTAATTGGGCGTGGGGCCCTCCGAGGTTTCGAGGGCTGCGAGGCTGTGGGTGGCGGGA
CCGCTGACTCTGTAAGATGAGTAAATCTCTCTGCTTCTCCTAATCCCCATCAGCAGAG
CTGCCCCACTCTCCAGGCTCCAGTCCCCTGGAAATAACAATAAGCAGCAGCTCCCGCGAG
CCTGGTCTCCTCTACCCTGTGCTCGCCATGTGAGCACTCCCCTCTCCGTTGTGCCTGG
ACCTCGGGCACAGCTGTGAGCCATTCTATAGAGAGGGAAACCGGGGCTTAGGCAGGAAG
CCAGGTCCCCAAAGTCGCACGGCCAGGAGTGGATGGAGCTGCCTTTCAGACCCATCACC
GTCCTACCGTCCGGGGCACAGCGACAGGTTCTGGAGAGAGGGTGGGTCCCGGGCCAGGTG
CTGGTGGGCTCCAGGTGGAGGGGGCTGATGCTGGGTGTGTCGTCATCGTCAGACCGTT
CCTCACGTCCCCACAGACCCAGGCCCTGTGCATGTCCCAGTGGAGGCATGGCCAGCAT
CTGCTCTGTCCAACCCAGTCGCATCGCCAAGAGCTCTGAGCAAGGAGGCTGTGCGGGG
CCGAGAACCCCGTGGGACTGGCAAGCACGGCTGGCCCAGTGCAGCAGGAGGGGGCCCTGA
GGCATGGGATGGGACAGTCTGGGCCAGCGCCACCTCCCGGGACAGAAGTGCGGCACCAAG
GCAGGAGCTGCAGTAGCTACCCTCCCCGTCTCCAGCCTGGGCTCCCCAGATCACTCCAG
ATCACCAGGTCACCCATCTCTAGGCGGCACCTCACACACCAGTCTGTGGTCCAACGCC
CCGCCATACCCAATGTCACCGCACACCAGGCAGTGGGGACACGGCAGTAAGCACAAGAA
AGATTTTTTTTTTTAAAGCTAAACCAGGCCAGGTGCGGTGGCTCATGCCTGTAATCCCA
GTGCTTTGGGAGGCTGAGGTGGGAGGATTGCTTGAGACCAGCCTGGGTGACACAGCAAGA
CCCCATCTCCACAAACGTTTTTAAATGTGCCGGGTGTAAGTGGTGCACACCTGTATCCC
AGCTACCCAAGAAGCTGAGGCAAGAGGATCACTTGAGCCCAAGAAGTTCGAGGCTGCAGGG
AGCTGTGATCACACTGCTGCACTCCAGCCTGTGCAACAGAGCCAGACCCTGACTCAATAC
AAATAAAAAACAATCTAAAAACAAAAAAAAAAAAAAAAAAAA
```

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032753 unedited CGTCANAATTTGTATACGACTCATATAGGGCGGCCGCGATTCCCAGGATATCGTCGACCC ACGCGTCCGGCCAGGCCCGCTGGGGCAGGTGTCCCGTGAAATCGACGGAGGGGCTGC CGTGGGCGGCCGTGACAGTCACAGAGAGGGGAAGAGAAAACAGGGACGGTGACACACACA GAGAGAAGGAAGAGCAGACAGAGGCACAGCAGGAGACCCCCCAAGCCGAGGAGACAG CCTGGGGATGCAGAGCACATGCCGGCCCCAGTGGAGGGAACCGATTTCCCAGGACCGGG AGGCAAGCCTGGGGCTCCCCTGCCCTGTCCCTGCCGGTAGCCCCCAGCCGCTCCCCA CCATCTGTCCCGTGCCGTCCCACCAGGTGGGAGCCATGTTCTGAGCCGGGCGAGGGG CCGGCAACCGAGGTTGGGGTCTGGGGCCGGGCGAGGAGCCCCAAGAAGAAGCACCGG AGGAACCGCACCACTTACCACCTACCAGCTGCACCAGCTGGAGCGGGCGTTTCGAGGCC TCTCACTACCCGGATGTGTACAGCCGTGAGGAGCTGGCAGCCAAGGTGCACCTACCTGAG GTGCGCGTGCAGGTGTGGTTCCAGAACC GCCGGCCAAGTGGCGCCGACAGGAGCGGCTG GAGTCAGGCTCGGGTCCCGTGGCAGCTCCGAGACTCCCCGAGGCCNCAGCGCTGCCGTT GCCCGCCCCCGCCATGTCGCTGCCCTGGAGCCCTGGTTGGGCCCGGACCGCCGGCC GTGCNCAGCCTCCCCGCTCCTGGGCCCGGCCGGGGCTGCAAGCGTCTTTGGCTCA TGCCTTTGCTCCCACTTCGAGATGGCTTCCCCTGGAGGAGCGGTCTGCCGCTGCTGGC CAGGGACATGCACCAGCTCTGG
Restriction Sites:	Please inquire
ACCN:	NM_032753
Insert Size:	2439 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).
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_032753.2</u> , <u>NP_116142.1</u>
RefSeq Size:	2451 bp
RefSeq ORF:	555 bp
Locus ID:	84839
UniProt ID:	<u>Q96IS3</u>
Cytogenetics:	19p13.3
Protein Families:	Transcription Factors

Gene Summary:

This gene encodes a homeodomain-containing protein that plays a role in eye development. Mutation of this gene causes age-related macular degeneration type 6, an eye disorder resulting in accumulations of protein and lipid beneath the retinal pigment epithelium and within the Bruch's membrane. Defects in this gene can also cause cone-rod dystrophy type 11, a disease characterized by the initial degeneration of cone photoreceptor cells and resulting in loss of color vision and visual acuity, followed by the degeneration of rod photoreceptor cells, which progresses to night blindness and the loss of peripheral vision. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (2) uses an alternate splice site the the 5' coding region, which results in the use of a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus than isoform 1.