

Product datasheet for **RG205805**

QRX (RAX2) (NM_032753) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: QRX (RAX2) (NM_032753) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: QRX
Synonyms: ARMD6; CORD11; QRX; RAXL1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205805 representing NM_032753
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCTGAGCCCGGGCGAGGGGCCGGCAACCGAGGGTGGGGTCTGGGGCCGGGCGAGGAGGCCCA
 AGAAGAAGCACCGGAGGAACCGCACCTTACCACCTACCAGCTGCACCAGCTGGAGCGGGCGTTTGA
 GGCCTCTACTACCCGGATGTGTACAGCCGTGAGGAGCTGGCAGCAAGTGCACCTACCTGAGGTGCGC
 GTGCAGGTGTGGTCCAGAACCAGCCGGGCAAGTGGCCGCCAGGAGCGGCTGGAGTCAAGTCCGGGT
 CCGTGGCAGCTCCGAGACTCCCCGAGGCCCCAGCGCTGCCGTTCCGCCGCCCGCCCGGCCATGTCGCTGCC
 CCTGGAGCCCTGGTTGGGCCCGGACCGCCGGCGTCCAGGCCTCCCCGCCTCCTGGGCCGGGCCCCG
 GGGCTGCAAGCGTCTTCGGGCCTCATGCTTTGCTCCACCTTCGCAGATGGCTTCGCCCTGGAGGAGG
 CGTCCCTGCGGCTGCTGGCCAAGGAACATGCACAGGCTCTGGACAGGGCCTGGCCGCCAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205805 representing NM_032753
 Red=Cloning site Green=Tags(s)

MFLSPGEGPATEGGLGPGEEAPKKKRRNRRTFTTYQLHQLERAFEASHYPDVYSREELAAKVHLPEVR
 VQVWFQNRRAKWRQRERLESGSVAAPRLPEAPALPFARPPAMSLPLEPWLGPVAVPGLPRLLGPGP
 GLQASFGPHAFAPTFADGFAL EEASLRLLAKEHAQALDRAWPPA

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_032753

ORF Size: 552 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_032753.4](#)

RefSeq Size: 2451 bp

RefSeq ORF: 555 bp

Locus ID: 84839

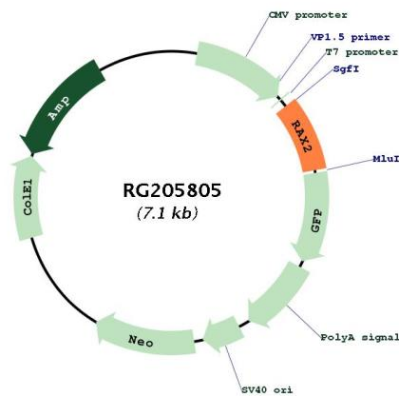
UniProt ID: [Q96IS3](#)

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]

Product images:



Circular map for RG205805