

Product datasheet for **SC329262**

KIAA0319 (NM_001168376) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0319 (NM_001168376) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA0319
Synonyms:	AAVR; DYLX2; DYX2; NMIG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001168376, the custom clone sequence may differ by one or more nucleotides

```

ATGCGGGTGTCTCACACCTTCCCTGTCGTAGACTGCACGCCCTTGCTGTGACCTGTCC
AGCTGTGACCTGGCCTGGTGGTTCGAGGGCCGCTGCTACCTGGTGGAGCTGCCCCACAAA
GAGAACTGTGAGCCCAAGAAGATGGGCCCATCAGGTCTTATCTCACTTTTGTGCTCCGG
CCTGTTGAGAGCCTGCACAGCTGCTGGACTATGGGGACATGATGCTGAACAGGGGCTCC
CCCTCGGGGATCTGGGGGACTCACCTGAGGATATCAGAAAGACTTGACCTTTCTAGGC
AAAGATTGGGGCTAGAGGAGATGTCTGAGTACTCAGATGACTACCGGGAGCTGGAGAAG
GACCTCTTGAACCCAGTGGCAAGCAGGAGCCAGAGGGAGTGCCGAGTACACGGACTGG
GGCCTACTGCCGGCAGCGAGGGGGCCTCAACTCCTCTGTTGGAGACAGTCTGCGGTG
CCAGCGGAGACGCAGCAGGACCCTGAGCTCCATTACCTGAATGAGTCGGCTTCAACCCCT
GCCCAAAACTCCCTGAGAGAAGTGTGTTGCTTCCCTTGCCGACTACTCCATCTTCAGGA
GAGGTGTTGGAGAAAGAAAGGCTTCTCAGCTCCAGGAACAATCCAGCAACAGCTCTGGA
AAAGAGTTCTAATGCCTTCCCATAGTCTTCTCCGGCAAGCCTGGAGCTCAGCTCAGTC
ACCGTGGAGAAAAGCCAGTGTCTCACAGTACCCCGGGGAGTACAGAGCACAGCATCCCA
ACACCTCCCACTAGCGCAGCCCCCTCTGAGTCCACCCATCTGAGCTACCCATATCTCCT
ACCACTGCTCCCAGGACAGTGAAGAACTTACGGTATCGGCTGGAGATAACCTAATTATA
ACTTTACCCGACAATGAAGTTGAACTGAAGGCCTTTGTTGCGCCAGCGCCACCTGTAGAA
ACAACCTACAACATGAATGGAATTTAATAAGCCACCCACAGACTACCAAGTGAAATA
AAACAAGGACACAAGCAAACCTTAAACCTCTCAATTGTCGTCGGACTTTATGTCTTC
AAAGTCACTGTTTCTAGTGAAAACGCCTTTGGAGAAGGATTTGTCAATGTCACTGTTAAG
CCTGCCAGAAGAGTCAACCTGCCACCTGTAGCAGTTGTTTCTCCCAACTGCAAGAGCTC
ACTTTGCCTTTGACGTGACGCCCTCATTGATGGCAGCCAAAGTACAGATGATACTGAAATA
GTGAGTTATCATTGGGAAGAAATAAACGGGCCCTTCATAGAAGAGAAGACTTCAGTTGAC
TCTCCCGTCTTACGCTTGTCTAACCTTGATCCTGGTAACTATAGTTTCAGGTTGACTGTT
ACAGACTCGGACGGAGCCACTAACTCTACAACCTGCAGCCCTAATAGTGAACAATGCTGTG
GACTACCCACCAGTTGCTAATGCAGGACCAATCACACCATAACTTTGCCCAAAACTCC

```



[View online »](#)

```

ATCACTTTGAATGGAAACCAGAGCAGTGACGATCACCAGATTGTCCTCTATGAGTGGTCC
CTGGGCTCTGGGAGTGAGGGCAAACATGTGGTCATGCAGGGAGTACAGACGCCATACCTT
CATTTATCTGCAATGCAGGAAGGAGATTATACATTTACAGTGAAGGTGACAGATTCTTCA
AGGCAACAGTCTACTGCTGTGGTGACTGTGATTGTCCAGCCTGAAAACAATAGACCTCCA
GTGGCTGTGGCCGGCCCTGATAAAGAGCTGATCTCCAGTGGAAAGTGTACCCCTGGAT
GGGAGCAGCAGCAGCGATGACCACGGCATTGTCTTCTACCACTGGGAGCACGTCAGAGGC
CCCAGTGCAGTGGAGATGGAAAATATTGACAAAGCAATAGCCACTGTGACTGGTCTCCAG
GTGGGGACCTACCACTTCCGTTTTGACAGTGAAAGACCAGCAGGGACTGAGCAGCACGTCC
ACCCTCACTGTGGCTGTGAAGAAGGAAAATAATAGTCCTCCCAGAGCCCGGGCTGGTGGC
AGACATGTTCTTGTGCTTCCAATAATTCCATTACTTTGGATGGTTCAAGGTCTACTGAT
GACCAAAGAAATTGTGCTATCTGTGGATCCGGGATGGCCAGAGTCCAGCAGCTGGAGAT
GTCATCGATGGCTCTGACCACAGTGTGGCTCTGCAGCTTACGAATCTGGTGGAGGGGGTG
TACACTTCCACTTGGAGTCACCGACAGTCAGGGGGCCTCGGACACAGACTGCCACT
GTGGAAGTGCAGCCAGACCCTAGGAAGAGTGGCCTGGTGGAGCTGACCCTGCAGTTGGT
GTTGGGACAGTGCAGAGCAGCGGAAGGACACCCTTGTGAGGCAGCTGGCTGTGCTGCTG
AACGTGCTGGACTCGGACATTAAGGTCCAGAAGATTCGGGCCACTCGGATCTCAGCACC
GTGATTGTGTTTTATGTACAGAGCAGGCCGCTTTCAAGGTTCTCAAAGCTGCTGAAGTG
GCCCGAAATCTGCACATGCGGCTCTCAAAGGAGAAGGCTGACTTCTTGCTTTTCAAGGTC
TTGAGGGTTGATACAGCAGGTTGCCTTCTGAAGTGTCTGGCCATGGTCACTGCGACCCC
CTCACAAGCGCTGCATTTGCTCTCACTTATGGATGGAGAACCCTATACAGCGTTATATC
TGGGATGGAGAGAGCAACTGTGAGTGGAGTATATTCTATGTGACAGTGTGGCTTTTACT
CTTATTGTGCTAACAGGAGGTTTCACTTGGCTTTCATCTGCTGCTGCAAAAGACAAAA
AGGACTAAAATCAGGAAAAAACAAGTACACCATCCTGGATAACATGGATGAACAGGAA
AGAATGGAAGTGAAGCCCAAAATATGGTATCAAGCACCGAAGCACAGAGCAAACTCCAGC
CTGATGGTATCCGAGTCTGAGTTTACAGTGACAGGACACAATCTTACGCCGAGAAAAG
ATGGAGAGAGGGAATCCAAGGTTTCCATGAATGGTTCCATCAGAAATGGAGCTTCTTCC
AGTTATTGCTCAAAGGACAGATAA
    
```

- Restriction Sites:** Please inquire
- ACCN:** NM_001168376
- 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_001168376.1](#), [NP_001161848.1](#)

RefSeq Size: 6620 bp

RefSeq ORF: 3084 bp

Locus ID: 9856

UniProt ID: [Q5VV43](#)

Cytogenetics: 6p22.3

Protein Families: Transmembrane

Gene Summary: This gene encodes a transmembrane protein that contains a large extracellular domain with multiple polycystic kidney disease (PKD) domains. The encoded protein may play a role in the development of the cerebral cortex by regulating neuronal migration and cell adhesion. Single nucleotide polymorphisms in this gene are associated with dyslexia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

Transcript Variant: This variant (4) differs in the 5' UTR, lacks an exon and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, compared to isoform a. Variants 4 and 10 both encode the same isoform (c). 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.