OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC336384

KIAA0319 (NM_001252328) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0319 (NM_001252328) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA0319
Synonyms:	AAVR; DYLX2; DYX2; NMIG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC336384 representing NM_001252328.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGGAAGGAGATTATACATTTCAGCTGAAGGTGACAGATTCTTCAAGGCAACAGTCTACTGCTGTG
GTGACTGTGATTGTCCAGCCTGAAAACAATAGACCTCCAGTGGCTGTGGCCGGCCCTGATAAAGAGCTG
ATCTTCCCAGTGGAAAGTGCTACCCTGGATGGGAGCAGCAGCAGCGATGACCACGGCATTGTCTTCTAC
CACTGGGAGCACGTCAGAGGCCCCAGTGCAGTGGAGATGGAAAATATTGACAAAGCAATAGCCACTGTG
ACTGGTCTCCAGGTGGGGACCTACCACTTCCGTTTGACAGTGAAAGACCAGCAGGGACTGAGCAGCACG
TCCACCCTCACTGTGGCTGTGAAGAAGGAAAATAATAGTCCTCCCAGAGCCCGGGCTGGTGGCAGACAT
GTTCTTGTGCTTCCCAATAATTCCATTACTTTGGATGGTTCAAGGTCTACTGATGACCAAAGAATTGTG
TCCTATCTGTGGATCCGGGATGGCCAGAGTCCAGCAGCTGGAGATGTCATCGATGGCTCTGACCACAGT
GTGGCTCTGCAGCTTACGAATCTGGTGGAGGGGGTGTACACTTTCCACTTGCGAGTCACCGACAGTCAG
GGGGCCTCGGACACAGACACTGCCACTGTGGAAGTGCAGCCAGACCCTAGGAAGAGTGGCCTGGTGGAG
CTGACCCTGCAGGTTGGTGTTGGGCAGCTGACAGAGCAGCGGAAGGACACCCTTGTGAGGCAGCTGGCT
GTGCTGCTGAACGTGCTGGACTCGGACATTAAGGTCCAGAAGATTCGGGCCCACTCGGATCTCAGCACC
GTGATTGTGTTTTATGTACAGAGCAGGCCGCCTTTCAAGGTTCTCAAAGCTGCTGAAGTGGCCCGAAAT
CTGCACATGCGGCTCTCAAAGGAGAAGGCTGACTTCTTGCTTTTCAAGGTCTTGAGGGTTGATACAGCA
GGTTGCCTTCTGAAGTGTTCTGGCCATGGTCACTGCGACCCCCTCACAAAGCGCTGCATTTGCTCTCAC
TTATGGATGGAGAACCTTATACAGCGTTATATCTGGGATGGAGAGAGCAACTGTGAGTGGAGTATATTC
TATGTGACAGTGTTGGCTTTTACTCTTATTGTGCTAACAGGAGGTTTCACTTGGCTTTGCATCTGCTGC
TGCAAAAGACAAAAAAGGACTAAAATCAGGAAAAAAACAAAGTACACCATCCTGGATAACATGGATGAA
CAGGAAAGAATGGAACTGAGGCCCAAATATGGTATCAAGCACCGAAGCACAGAGCACAACTCCAGCCTG
ATGGTATCCGAGTCTGAGTTTGACAGTGACCAGGACACAATCTTCAGCCGAGAAAAGATGGAGAGAGGG
AATCCAAAGGTTTCCATGAATGGTTCCATCAGAAATGGAGCTTCCTTCAGTTATTGCTCAAAGGACAGA
TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001252328

Insert Size: 1452 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:
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_001252328.1
RefSeq Size:	5315 bp
RefSeq ORF:	1452 bp
Locus ID:	9856
Cytogenetics:	6p22.3
Protein Families:	Transmembrane
MW:	54 kDa
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 (6) differs in the 5' UTR, lacks a large portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (e) has a shorter N-terminus, compared to isoform a.