

Product datasheet for **RC238490**

KIAA0319 (NM_001252328) Human Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RC238490 representing NM_001252328
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGGAAGGAGATTATACATTTTCAGCTGAAGGTGACAGATTCTCAAGCAACAGTCTACTGCTGTGG
 TGAAGTGTGATTGTCCAGCCTGAAAAACAATAGACCTCCAGTGGCTGTGGCCGGCCCTGATAAAGAGCTGAT
 CTTCCAGTGGAAAGTGCTACCTGGATGGGAGCAGCAGCAGCGATGACCACGGCATTGTCTTCTACCAC
 TGGGAGCAGCTCAGAGGCCCCAGTGCAGTGGAGATGGAAAATATTGACAAAGCAATAGCCACTGTGACTG
 GTCTCCAGGTGGGACCTACCACCTCCGTTTGACAGTAAAAGACCAGCAGGGACTGAGCAGCAGCTCCAC
 CCTCACTGTGGCTGTGAAGAAGGAAAAAATAGTCCTCCAGAGCCCGGGCTGGTGGCAGACATGTTCTT
 GTGCTTCCCAATAATTCCATTACTTTGGATGGTCAAGGTCTACTGATGACCAAAGAATTGTGCTCATC
 TGTGGATCCGGGATGGCCAGAGTCCAGCAGCTGGAGATGTCATCGATGGCTCTGACCACAGTGTGGCTCT
 GCAGCTTACGAATCTGGTGGAGGGGTGTACACTTTCCACTTGGCAGTACCCGACAGTCAAGGGGCTCG
 GACACAGACACTGCCACTGTGGAAGTGCAGCCAGACCCTAGGAAGAGTGGCTGGTGGAGCTGACCCCTGC
 AGGTTGGTGTGGGCAGCTGACAGAGCAGCGGAAGGACACCCCTGTGAGGCAGCTGGCTGTGCTGTGAA
 CGTGTGGACTCGGACATTAAGGTCCAGAAGATTCGGGCCACTCGGATCTCAGCACCGTATTGTGTTT
 TATGTACAGAGCAGGCCGCTTTCAAGGTTCTCAAAGTCTGTAAGTGGCCCGAAATCTGCACATGCGGC
 TCTCAAAGGAGAAGGCTGACTTCTTGTCTTTCAAGGCTTGTAGGGTTGATACAGCAGGTTGCCTTCTGAA
 GTGTTCTGGCCATGGTCACTGCGACCCCTCACAAAGCGCTGCATTTGCTCTCACTTATGGATGGAGAAC
 CTTATACAGCGTTATATCTGGGATGGAGAGCAACTGTGAGTGGAGTATATTCTATGTGACAGTGTGG
 CTTTACTCTTATTGTGCTAACAGGAGTTTCACTTGGCTTGCATCTGCTGCTGCAAAAGACAAAAAG
 GACTAAAATCAGGAAAAAACAAGTACACCATCCTGGATAACATGGATGAACAGGAAAGAATGGAAGT
 AGGCCAAATATGGTATCAAGCACCGAAGCAGAGCACAACCTCCAGCCTGATGGTATCCGAGTCTGAGT
 TTGACAGTACCAGGACACAATCTTCCAGCCGAGAAAAGATGGAGAGAGGGAATCCAAAGTTTCCATGAA
 TGGTTCCATCAGAAATGGAGCTTCTTCAAGTATTGCTCAAAGGACAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238490 representing NM_001252328
 Red=Cloning site Green=Tags(s)

MQEGDYTFQLKVTSSRQSTAVVTVIVQPENNRPPVAVAGPDKELIFPVESATLDGSSSSDDHGIVFYH
 WEHVRGSAVEMENIDKAIATVTGLQVGTYHFRLTVKDQQLSSTLTVAVKKENNSPPRARAGGRHVL
 VLPNNSITLDGSRSTDDQRIVSYLWIRDGQSPAAGDVIDGSDHSVALQLNLVEGVYTFHLRVTDSSQAS
 DTDATVEVQDPDRKSLVELTLQVGVQLTEQRKDTLVRQLAVLLNVLDSDIKVQKIRAHSDLSTVIVF
 YVQSRPPFKVLKAAEVARNLHMRLSKEKADFLFKVLRVDTAGCLLKCSGHGHCDPLTKRKCISHLWMEN
 LIQRYIWDGESNCEWSIFYVTVLAFTLIVLTGGFTWLCICCKRQKRTKIRKTKYITLNDMEQERMEL
 RPKYGIKHRSTEHNSSLMVSESEFSDSDQDTIFSREKMERGNPKVSMNGSIRNGASF SYCSKDR

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001252328

ORF Size: 1449 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_001252328.1](#), [NP_001239257.1](#)

RefSeq Size: 5315 bp

RefSeq ORF: 1452 bp

Locus ID: 9856

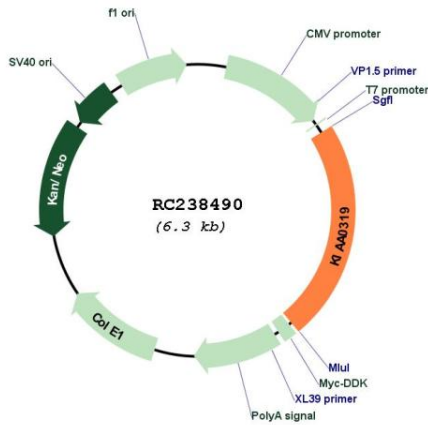
Cytogenetics: 6p22.3

Protein Families: Transmembrane

MW: 54.5 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]

Product images:



Circular map for RC238490