

Product datasheet for SC315140

KIAA0319 (NM_014809) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0319 (NM_014809) 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:	>SC315140 representing NM_014809. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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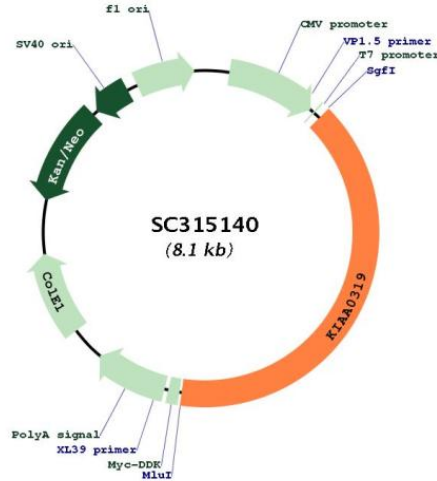
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:

NM_014809

Insert Size:

3219 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).
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:	<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_014809.3</u>
RefSeq Size:	6805 bp
RefSeq ORF:	3219 bp
Locus ID:	9856
UniProt ID:	<u>Q5VV43</u>
Cytogenetics:	6p22.3
Domains:	PKD
Protein Families:	Transmembrane
MW:	117.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1, 2, and 7 all encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript matching the genomic sequence was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>