

Product datasheet for RC208788L3

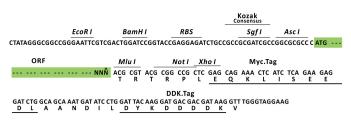
DOC2A (NM_003586) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	DOC2A (NM_003586) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	DOC2A
Synonyms:	Doc2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208788).
Restriction Sites:	Ascl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Asc I ORF Mlu I [GGC GCG CC] c ATG // NNN [ACG CGT]

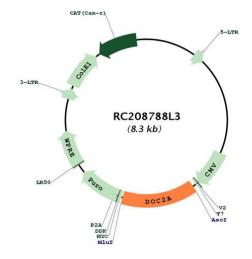


* The last codon before the Stop codon of the ORF.



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Plasmid Map:



ACCN:	NM_003586
ORF Size:	1200 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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 003586.2</u>
RefSeq Size:	2089 bp
RefSeq ORF:	1203 bp

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	DOC2A (NM_003586) Human Tagged Lenti ORF Clone – RC208788L3
Locus ID:	8448
UniProt ID:	<u>Q14183</u>
Cytogenetics:	16p11.2
Protein Families:	Secreted Protein
MW:	44 kDa
Gene Summary:	There are at least two protein isoforms of the Double C2 protein, namely alpha (DOC2A) and beta (DOC2B), which contain two C2-like domains. DOC2A and DOC2B are encoded by different genes; these genes are at times confused with the unrelated DAB2 gene which was initially named DOC-2. DOC2A is mainly expressed in brain and is suggested to be involved in Ca(2+)-dependent neurotransmitter release. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

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