

Product datasheet for RR211526L4

Dcx (NM_053379) Rat Tagged Lenti ORF Clone

Product data:

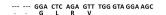
OriGene Technologies, Inc.

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Product Type:	Expression Plasmids						
Product Name:	Dcx (NM_053379) Rat Tagged Lenti ORF Clone						
Tag:	mGFP						
Symbol:	Dcx						
Mammalian Cell Selection:	Puromycin						
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)						
E. coli Selection:	Chloramphenicol (34 ug/mL)						
ORF Nucleotide Sequence:	The ORF inser	t of th	is clone	is exac	tly the sa	me as(RR211526	ô).
Restriction Sites:	Sgfl-Mlul						
Cloning Scheme:			es used for ORF Sh Sgf I GCG ATC GC ATG	ORF	Mlu I ACG CGT		
	CTATAGGGCGGCC	<u>Ecor I</u> gggaattcgtcg	<u>BamH I</u> Gactggatccggta	<u></u>	Kozak Consensus Sgf I GCCGCCGCGATCGC	ORF ATG	

 Mlu I
 Not I
 Xho I
 mGFP Tag

 ACG CGT ACG CGG CCC GCT GAG ATG AGC GGG GGC
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* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM_053379 1095 bp

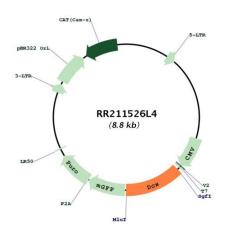


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ORIGENE DCX (I	IM_053379) Rat Tagged Lenti ORF Clone – RR211526L4
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can 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 053379.3, NP 445831.3</u>
RefSeq Size:	8827 bp
RefSeq ORF:	1098 bp
Locus ID:	84394
Cytogenetics:	Xq33-q34
Gene Summary:	This gene encodes a member of the doublecortin family. The protein encoded by this gene contains two doublecortin domains, which bind microtubules and regulate microtubule polymerization. In the developing cortex, cortical neurons must migrate over long distances to reach the site of their final differentiation. The encoded protein appears to direct neuronal migration by regulating the organization and stability of microtubules. Studies in knockout mice lacking this gene suggest that this gene has a cortical role in nuclear translocation and positioning of the mitotic spindle in radial glial mitotic division. This gene is essential for neuronal migration, differentiation, and plasticity, is required for hippocampal development and also plays a role in dendrites development.[provided by RefSeq, Sep 2010]

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Product images:



Circular map for RR211526L4

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