

Product datasheet for RR213099L4

Chrnb2 (NM_019297) Rat Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids			
Product Name:	Chrnb2 (NM_019297) Rat Tagged Lenti ORF Clone			
Tag:	mGFP			
Symbol:	Chrnb2			
Mammalian Cell Selection:	Puromycin			
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)			
E. coli Selection:	Chloramphenicol (34 ug/mL)			
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR213099).			
Restriction Sites:	Sgfl-Mlul			
Cloning Scheme:	Cloning sites used for ORF Shuttling:			
	Sgf I ORF Miu I GCG ATC GCC ATG // NNN ACG CGT			
	Kozak			

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

				Kozak Consensus	
EcoR I	BamH	I R	B <i>S</i>	Sgf I	ORF
CTATAGGGCGGCCGGGAATTCGTC	GACTGGATC	CGGTACCGAG	GAGATCTGC	CGCCGCGATCGC C A	rg
	Mlu I	Notl	_Xho I	mGFP Tag	
NNŇ	ACG CGT A	CG CGG CCG T R P	CTC GAG	ATG AGC GGG GGC M S G G	
GGA CTC AGA GTT TGG G L R V	GTA GGA AG	GC			

ACCN: ORF Size:

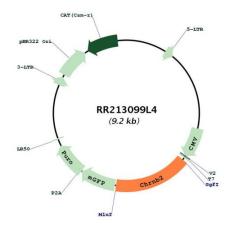
NM_019297 1500 bp



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	nb2 (NM_019297) Rat Tagged Lenti ORF Clone – RR213099L4
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 Metho	 d: 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 019297.1, NP 062170.1</u>
RefSeq Size:	2197 bp
RefSeq ORF:	1503 bp
Locus ID:	54239
UniProt ID:	<u>P12390</u>
Cytogenetics:	2q34
Gene Summary:	co-assembles with the alpha 7 subunit to form a functional heteromeric nicotinic acetylcholine receptor [RGD, Feb 2006]

Product images:



Circular map for RR213099L4

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