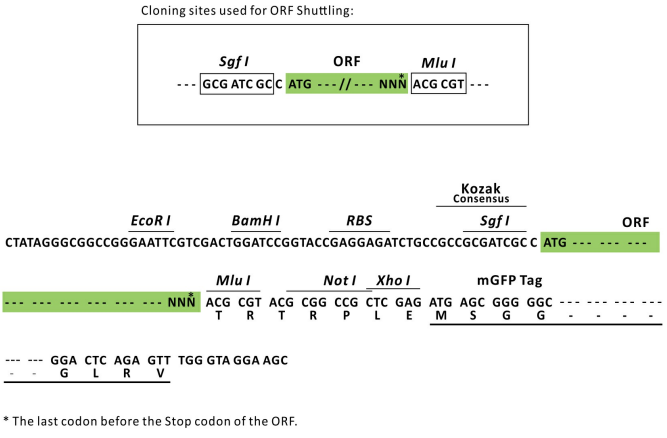
OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR224539L4

Chrne (NM_009603) Mouse Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrne (NM_009603) Mouse Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Chrne
Synonyms:	Ac; ACh; AChrepsilon; Acre; nAChRE
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(MR224539).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	



ACCN:	NM_009603
ORF Size:	1479 bp

View online »

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_009603.1, NP_033733.1

RefSeq Size: 1599 bp

RefSeq ORF: 1482 bp

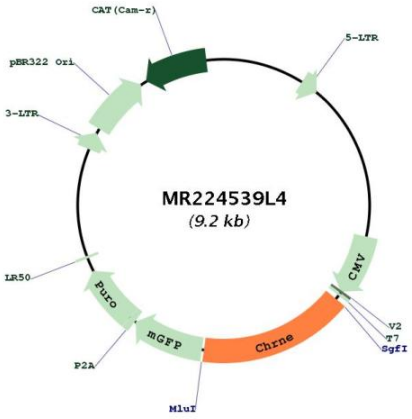
Locus ID: 11448

UniProt ID: P20782

Cytogenetics: 11 43.14 cM

Gene Summary: This gene encodes the epsilon subunit of the muscle-derived nicotinic acetylcholine receptor, a pentameric neurotransmitter receptor and member of the ligand-gated ion channel superfamily. The acetylcholine receptor changes subunit composition shortly after birth when the epsilon subunit replaces the gamma subunit seen in embryonic receptors. In mice, deficiency of this gene can lead to a decline in the number of nicotinic acetylcholine receptors at neuromuscular junctions and causes progressive muscle weakness, atrophy and premature death. Mutations in this gene serve as a pathophysiological model for human congenital myasthenia. Several alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Nov 2012]

Product images:



Circular map for MR224539L4