

Product datasheet for RR208984L4

Chrna6 (NM_057184) Rat Tagged Lenti ORF Clone

Product data:

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 Type: | Expression Plasmids |
|------------------------------|---|
| Product Name: | Chrna6 (NM_057184) Rat Tagged Lenti ORF Clone |
| Tag: | mGFP |
| Symbol: | Chrna6 |
| 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(RR208984). |
| Restriction Sites: | Sgfl-Mlul |
| Cloning Scheme: | |
| | Cloning sites used for ORF Shuttling: |
| | Sgf1 ORF Mlu I GCG ATC GC ATG // NNÑ ACG CGT |
| | |
| | Kozak Consensus |

 $\begin{array}{c} \text{CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCGCCGCGATCGCC} \\ \textbf{CTATAGGGCGGCCGGGAATTCGTCGCGGCCC} \\ \textbf{MIUI} \\ \textbf{MUII} \\ \textbf{NotI XhoI} \\ \textbf{NotI XhoI} \\ \textbf{MGFPTag} \\ \textbf{MGFPTag} \\ \textbf{AGG CGT ACG CGG CCG CTC GAG} \\ \textbf{ATG AGC GGG GCC} \\ \textbf{T} \\ \textbf{R} \\ \textbf{T} \\ \textbf{R} \\ \textbf{P} \\ \textbf{L} \\ \textbf{E} \\ \textbf{M} \\ \textbf{S} \\ \textbf{G} \\ \textbf{G} \\ \textbf{G} \\ \textbf{G} \\ \textbf{C} \\$

RBS

Sgf I

ORF

BamH I



EcoR I

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

ACCN: ORF Size: NM_057184 1479 bp



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| GRIGENE Chrna6 (NM_057184) Rat Tagged Lenti ORF Clone – RR208984L4 | |
|---|--|
| 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 057184.1, NP 476532.1</u> |
| RefSeq Size: | 1760 bp |
| RefSeq ORF: | 1482 bp |
| Locus ID: | 81721 |
| UniProt ID: | <u>P43143</u> |
| Cytogenetics: | 16q12.3 |
| Gene Summary: | may form a nicotinic acetylcholine receptor; may play a role in fast synaptic transmission [RGD, Feb 2006] |

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