

Product datasheet for **RC204868L4V**

CHRNA6 (NM_004198) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Lentiviral Particles |
| Product Name: | CHRNA6 (NM_004198) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | CHRNA6 |
| Synonyms: | CHNRA6 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_004198 |
| ORF Size: | 1482 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC204868). |
| 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. 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. |
| RefSeq: | NM_004198.2 |
| RefSeq Size: | 2400 bp |
| RefSeq ORF: | 1485 bp |
| Locus ID: | 8973 |
| UniProt ID: | Q15825 |
| Cytogenetics: | 8p11.21 |
| Protein Families: | Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane |
| MW: | 56.9 kDa |



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Gene Summary:

This gene encodes an alpha subunit of neuronal nicotinic acetylcholine receptors. These receptors consist of five subunits and function as ion channels involved in neurotransmission. The encoded protein is a subunit of neuronal nicotinic acetylcholine receptors that mediate dopaminergic neurotransmission and are activated by acetylcholine and exogenous nicotine. Alternatively spliced transcript variants have been observed for this gene. Single nucleotide polymorphisms in this gene have been associated with both nicotine and alcohol dependence. [provided by RefSeq, Dec 2010]