

## Product datasheet for RC218853L1V

### CHRNB4 (NM\_000750) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | CHRNB4 (NM_000750) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | CHRNB4   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_000750  |
| ORF Size:                 | 1494 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC218853).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_000750.2</a>  |
| RefSeq Size:              | 2447 bp  |
| RefSeq ORF:               | 1497 bp  |
| Locus ID:                 | 1143   |
| UniProt ID:               | <a href="#">P30926</a>   |
| Cytogenetics:             | 15q25.1  |
| Protein Families:         | Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane  |
| MW:                       | 56.2 kDa   |



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**Gene Summary:**

This gene is found within a conserved gene cluster and encodes one of the beta subunits of the nicotinic acetylcholine receptor (nAChRs) superfamily which form ligand-gated ion channels with a central pore that forms a cation channel. Neuronal nAChRs are pentameric structures that can be either homomeric or heteromeric, with heteromeric structures containing both alpha and beta subunits. Each subunit contains an extracellular amino terminus and four transmembrane domains. Nicotine is one of the agonists that binds to the receptor. Variants in this gene have been associated with nicotine dependence and lung cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2017]