

Product datasheet for **RC212582L4V**

CHRNA3 (NM_000743) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CHRNA3 (NM_000743) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CHRNA3
Synonyms:	BAIPRCK; LNCR2; NACHRA3; PAOD2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000743
ORF Size:	1515 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212582).
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_000743.2 , NP_000734.2
RefSeq Size:	3020 bp
RefSeq ORF:	1518 bp
Locus ID:	1136
UniProt ID:	P32297
Cytogenetics:	15q25.1
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
MW:	57.3 kDa



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Gene Summary:

This locus encodes a member of the nicotinic acetylcholine receptor family of proteins. Members of this family of proteins form pentameric complexes comprised of both alpha and beta subunits. This locus encodes an alpha-type subunit, as it contains characteristic adjacent cysteine residues. The encoded protein is a ligand-gated ion channel that likely plays a role in neurotransmission. Polymorphisms in this gene have been associated with an increased risk of smoking initiation and an increased susceptibility to lung cancer. Alternatively spliced transcript variants have been described. [provided by RefSeq, Nov 2009]