

Product datasheet for **RC207613L4V**

P2RX4 (NM_002560) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	P2RX4 (NM_002560) Human Tagged ORF Clone Lentiviral Particle
Symbol:	P2RX4
Synonyms:	P2X4; P2X4R
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002560
ORF Size:	1164 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207613).
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_002560.2
RefSeq Size:	2043 bp
RefSeq ORF:	1167 bp
Locus ID:	5025
UniProt ID:	Q99571
Cytogenetics:	12q24.31
Domains:	P2X_receptor
Protein Families:	Druggable Genome, Ion Channels: ATP Receptors, Transmembrane



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Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

MW: 43.3 kDa

Gene Summary: The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with high calcium permeability. The main pharmacological distinction between the members of the purinoceptor family is the relative sensitivity to the antagonists suramin and PPADS. The product of this gene has the lowest sensitivity for these antagonists. Multiple alternatively spliced transcript variants, some protein-coding and some not protein-coding, have been found for this gene. [provided by RefSeq, Feb 2012]