

Product datasheet for **RC207924L4V**

P2X1 (P2RX1) (NM_002558) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	P2X1 (P2RX1) (NM_002558) Human Tagged ORF Clone Lentiviral Particle
Symbol:	P2RX1
Synonyms:	P2X1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002558
ORF Size:	1197 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207924).
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_002558.3
RefSeq Size:	2885 bp
RefSeq ORF:	1200 bp
Locus ID:	5023
UniProt ID:	P51575
Cytogenetics:	17p13.2
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: 45.4 kDa

Gene Summary: The protein encoded by this gene belongs to the P2X family of G-protein-coupled receptors. These proteins can form homo- and heterotimers and function as ATP-gated ion channels and mediate rapid and selective permeability to cations. This protein is primarily localized to smooth muscle where it binds ATP and mediates synaptic transmission between neurons and from neurons to smooth muscle and may be responsible for sympathetic vasoconstriction in small arteries, arterioles and vas deferens. Mouse studies suggest that this receptor is essential for normal male reproductive function. This protein may also be involved in promoting apoptosis. [provided by RefSeq, Jun 2013]