

Specifications:

Gene:	hP2RX2
Accession:	NP_777362
Insert size:	1062bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

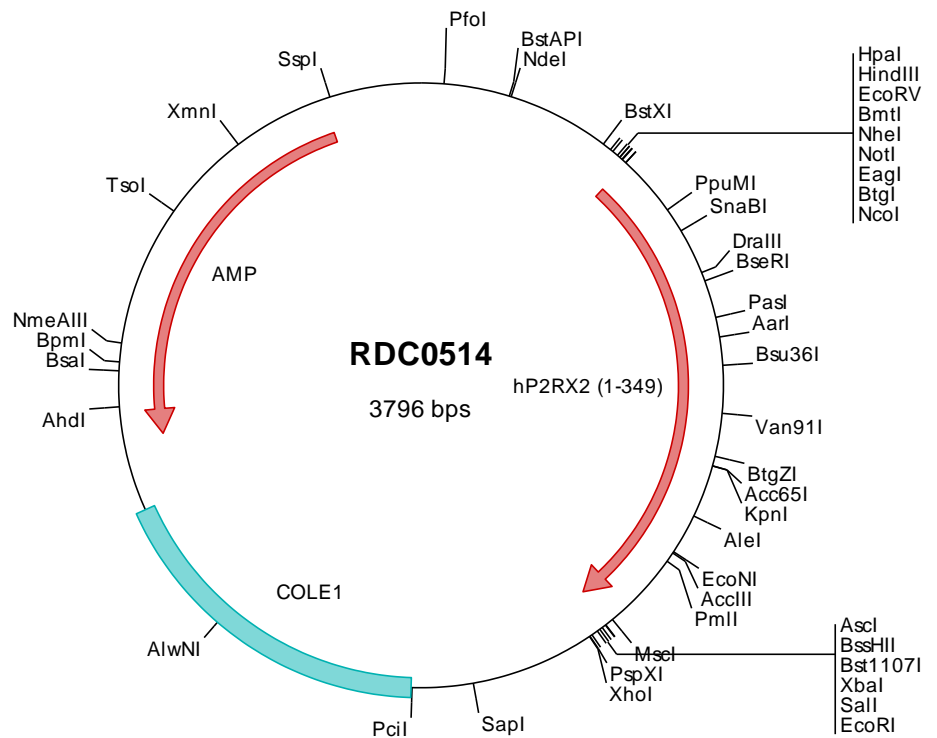
hP2RX2 cDNA Plasmid

P2RX2 purinergic receptor P2X, ligand-gated ion channel, 2
[*Homo sapiens*]

Also known as: P2X2

Summary:

P2RX2 belongs to the family of purinoceptors for ATP. It functions as a ligand-gated ion channel. Purinergic receptors are also expressed in spinal cord neurons and are known to cross-talk with GABA(A)Rs. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Six transcript variants encoding six distinct isoforms have been identified for this gene.





> RDC0514 Plasmid DNA Sequence

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> RDC0514 Translated Insert Sequence

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