



## P2RX3 peptide (DAG-P1828)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and may transduce ATP-evoked nociceptor activation. Mouse studies suggest that this receptor is important for peripheral pain responses, and also participates in pathways controlling urinary bladder volume reflexes. It is possible that the development of selective antagonists for this receptor may have a therapeutic potential in pain relief and in the treatment of disorders of urine storage. [provided by RefSeq, Jul 2008]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the P2X receptor family.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">P2RX3 purinergic receptor P2X, ligand-gated ion channel, 3 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	P2RX3
<b>Synonyms</b>	P2RX3; purinergic receptor P2X, ligand-gated ion channel, 3; P2X3; P2X purinoceptor 3; ATP receptor; purinoceptor P2X3; P2X receptor, subunit 3; purinergic receptor P2X3;
<b>Entrez Gene ID</b>	<a href="#">5024</a>

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<b>mRNA Refseq</b>	<a href="#">NM_002559.3</a>
<b>Protein Refseq</b>	<a href="#">NP_002550.2</a>
<b>UniProt ID</b>	P56373
<b>Chromosome Location</b>	11q12
<b>Pathway</b>	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;
<b>Function</b>	ATP binding; extracellular ATP-gated cation channel activity; purinergic nucleotide receptor activity;

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