



Human P2RX4 peptide (DAG-P1010)

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

PRODUCT INFORMATION

Antigen Description	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]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the P2X receptor family.
Format	Liquid
Preservative	None
Storage	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

Gene Name	P2RX4 purinergic receptor P2X, ligand-gated ion channel, 4 [Homo sapiens (human)]
Official Symbol	P2RX4
Synonyms	P2RX4; purinergic receptor P2X, ligand-gated ion channel, 4; P2X4; P2X4R; P2X purinoceptor 4; ATP receptor; purinoceptor P2X4; P2X receptor, subunit 4; purinergic receptor P2X4; ATP-gated cation channel protein;
Entrez Gene ID	5025

mRNA Refseq	NM_001256796.1
Protein Refseq	NP_001243725.1
UniProt ID	Q99571
Chromosome Location	12q24.32
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;
Function	ATP binding; cadherin binding; copper ion binding; extracellular ATP-gated cation channel activity; protein homodimerization activity; purinergic nucleotide receptor activity; purinergic nucleotide receptor activity; receptor binding; zinc ion binding;