

P2Y purinoceptor 1 is a protein that in humans is encoded by the P2RY1 gene.

The product of this gene, [P2Y1](#) belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various [adenosine](#) and uridine nucleotides. This receptor functions as a receptor for extracellular [ATP](#) and [ADP](#). In [platelets](#) binding to ADP leads to mobilization of intracellular calcium ions via activation of phospholipase C, a change in platelet shape, and probably to platelet aggregation.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

<https://neurosurgerywiki.com/wiki/doku.php?id=p2ry1>

Last update: **2024/06/07 02:54**

