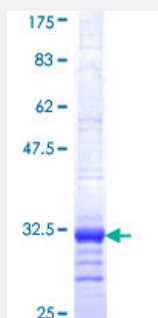


P2RY1 (Human) Recombinant Protein (Q01)

Catalog # H00005028-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human P2RY1 partial ORF (NP_002554, 1 a.a. - 52 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTEVLWPAVPNGTDAAFLAGPGSSWGNSTVASTAAVSSSFKCALTKTGFQFY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.46
Interspecies Antigen Sequence	Mouse (88); Rat (87)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — P2RY1

Entrez GeneID [5028](#)

GeneBank Accession# [NM_002563](#)

Protein Accession# [NP_002554](#)

Gene Name P2RY1

Gene Alias P2Y1

Gene Description purinergic receptor P2Y, G-protein coupled, 1

Omim ID [601167](#)

Gene Ontology [Hyperlink](#)

Gene Summary The product of this gene 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. [provided by RefSeq]

Other Designations ATP receptor|P2 purinoceptor subtype Y1|P2Y purinoceptor 1|platelet ADP receptor|purinergic receptor P2Y1

Publication Reference

- [Involvement of peripheral P2Y1 receptors and potential interaction with IL-1 receptors in IL-1 \$\beta\$ -induced thermal hypersensitivity in rats.](#)

Kwon SG, Roh DH, Yoon SY, Choi SR, Choi HS, Moon JY, Kang SY, Beitz AJ, Lee JH.

Brain Research Bulletin 2017 Jan; 130:165.

Application: IHC, Rat, Rat dorsal root ganglions

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [HIV Infections](#)
- [Vascular Diseases](#)