

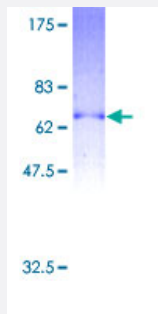
Full-Length

P2RY2 (Human) Recombinant Protein (P01)

Catalog # H00005029-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human P2RY2 full-length ORF (AAH28135, 1 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAADLGPWNDTINGTWDGDELGYRCRFNEDFKYVLLPVSYGVVCVLGLCLNAVALYIFLCRLKTW
NASTTYMFHLAVSDALYAASLPLLVYYYARGDHWPFSTVLCKLVRFLFYTNLYCSILFLTCISVHRCL
GVLRLPLRSLRWGRARYARRVAGAVWVLVLACQAPVLYFVTTSARGGRVTCHDTSAPELFSRFVA
YSSVMLGLLFAVPFAVILVCYVLMARRLLKPAYGTSGGLPRAKRKSVRTIAVVLAVFALCFLPFHVT
RTLYYSFRSLDLSCHTLNAINMAYKVTRPLASANSCLDPVLYFLAGQRLVRFARDAKPPTGPPSPAT
PARRRLGLRRSDRTDMQRIEDVLGSSSEDSRRTSTPAGSENTKDTRL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.21

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 — P2RY2

Entrez GeneID [5029](#)

GeneBank Accession# [BC028135](#)

Protein Accession# [AAH28135](#)

Gene Name P2RY2

Gene Alias HP2U, MGC20088, MGC40010, P2RU1, P2U, P2U1, P2UR, P2Y2, P2Y2R

Gene Description purinergic receptor P2Y, G-protein coupled, 2

Omim ID [600041](#)

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 is responsive to both adenosine and uridine nucleotides. It may participate in control of the cell cycle of endometrial carcinoma cells. Three transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

Other Designations ATP receptor|P2U nucleotide receptor|P2U purinoceptor 1|P2Y purinoceptor 2|purinergic receptor P2Y2|purinoceptor P2Y2

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Cardiovascular Diseases](#)
- [Cerebral Infarction](#)
- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Hypertension](#)
- [Myocardial Infarction](#)