Recombinant Human P2RY2 Protein, His-tagged

Cat. No. P2RY2-2540H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human P2RY2 Protein (Gly310-Leu377) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly310-Leu377
Description	The product of this gene belongs to the family of P2 receptors, which is activated by extracellular nucleotides and subdivided into P2X ligand-gated ion channels and P2Y 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, found on many cell types, is activated by ATP and UTP and is reported to be overexpressed on some cancer cell types. It is involved in many cellular functions, such as proliferation, apoptosis and inflammation. Three transcript variants encoding the same protein have been identified for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.3 kDa Accurate Molecular Mass: 16 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	P2RY2 purinergic receptor P2Y, G-protein coupled, 2 [Homo sapiens (human)]
Official Symbol	P2RY2
Synonyms	P2U; HP2U; P2U1; P2UR; P2Y2; P2RU1; P2Y2R
Gene ID	5029
mRNA Refseq	NM_176072
Protein Refseq	NP_788086
MIM	600041

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UniProt ID	P41231

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