

Recombinant Human P2RY12 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. P2RY12-2840H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	P2RY12 MS Standard C13 and N15-labeled recombinant protein (NP_073625) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	1-342 aa
Description	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 involved in platelet aggregation, and is a potential target for the treatment of thromboembolisms and other clotting disorders. Mutations in this gene are implicated in bleeding disorder, platelet type 8 (BDPLT8). Alternative splicing results in multiple transcript variants of this gene.
Molecular Mass	39.4 kDa
AA Sequence	MQAVDNLTSAPGNTSLCTRDKYKITQVLFPLLYTVLFFVGLITNGLAMRIFFQIRSKSNF IIFLKNTVISDLLMILTFPFKILSDAKLGTGPLRTFVCQVTSVIFYFTMYISISFLGLITIDR YQKTRTRPFKTSNPKNLLGAKILSVVIWAFMFLLSLPNMILTNRQPRDKNVKKCSFLKS EFGLVWHEIVNYICQVIFWINFLIVIVCYTLITKELYRSYVVRTRGVGKVPKKNVNVKFII IAVFFICFVFPFHFARIPYTLSQTRDVFDCNTAENTLFYVKESTLWLTSLNACLDPFIFYFLL

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	CKSFRNSLISMLKCPNSATSLSQDNRKKEQDGGDPNEETPMTRTRPLEQKLISEEDL AANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	P2RY12 purinergic receptor P2Y12 [Homo sapiens (human)]
Official Symbol	P2RY12
Synonyms	P2RY12; purinergic receptor P2Y, G-protein coupled, 12; P2Y purinoceptor 12; HORK3; P2Y12; SP1999; ADP-glucose receptor; purinergic receptor P2RY12; P2Y12 platelet ADP receptor; Gi-coupled ADP receptor HORK3; G-protein coupled receptor SP1999; putative G-protein coupled receptor; ADPG-R; BDPLT8; P2T(AC); P2Y(AC); P2Y(ADP); P2Y(cyc);
Gene ID	64805
mRNA Refseq	NM_022788
Protein Refseq	NP_073625

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MIM 600515

UniProt ID Q9H244

SDS-PAGE



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