P2Y Purinoceptor 1 (P2RY1) Meleagris Gallopavo Recombinant Protein

PRODUCT OVERVIEW

Product Name	P2Y purinoceptor 1 (P2RY1), Recombinant Protein
Full Product Name	Recombinant Meleagris gallopavo P2Y purinoceptor 1 (P2RY1)
Product Gene Name	P2RY1 recombinant protein
Product Synonym Gene Name	P2RY1
Product Synonym Names	Recombinant P2Y purinoceptor 1 (P2RY1); P2Y purinoceptor 1; P2Y1; 6H1 orphan receptor ATP receptor Purinergic receptor
Sequence	MTEALISAAL NGTQPELLAG GWAAGNASTK CSLTKTGFQF YYLPTVYILV FITGFLGNSV AIWMFVFHMR PWSGISVYMF NLALADFLYV LTLPALIFYY FNKTDWIFGD VMCKLQRFIF HVNLYGSILF LTCISVHRYT GVVHPLKSLG RLKKKNAVYV SSLVWALVVA VIAPILFYSG TGVRRNKTIT CYDTTADEYL RSYFVYSMCT TVFMFCIPFI VILGCYGLIV KALIYKDLDN SPLRRKSIYL VIIVLTVFAV SYLPFHVMKT LNLRARLDFQ TPQMCAFNDK VYATYQVTRG LASLNSCVDP ILYFLAGDTF RRRLSRATRK SSRRSEPNVQ SKSEEMTLNI LTEYKQNGDT SL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	41,180 Da
Sequence Positions	1-362
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
Chromosome Location	Chromosome: 11; NC_015021.1 (23603857..23605327, complement). Location: chromosome: 11
3D Structure	ModBase 3D Structure for P49652
Species	Meleagris gallopavo (Common turkey)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for P2RY1 recombinant protein	MBS1223266 is a recombinant protein targeting P2RY1. Also known as Recombinant Meleagris gallopavo P2Y purinoceptor 1 (P2RY1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of P2RY1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for P2RY1. It may not necessarily be applicable to this product.

NCBI GI #	326926229
NCBI GeneID	100303708

NCBI Accession #	XP_003209306.1
UniProt Primary Accession #	P49652
UniProt Related Accession #	P49652
GenBank Nucleotide #	XM_003209258.1
NCBI Official Full Name	p2Y purinoceptor 1
NCBI Official Symbol	P2RY1
NCBI Official Synonym Symbols	6H1; P2Y1
UniProt Protein Name	P2Y purinoceptor 1
UniProt Synonym Protein Names	6H1 orphan receptor; ATP receptor; Purinergic receptor
Protein Family	P2Y purinoceptor
UniProt Gene Name	P2RY1
UniProt Synonym Gene Names	P2Y1
UniProt Entry Name	P2RY1_MELGA
NCBI Protein Information	purinergic receptor P2Y, G-protein coupled, 1; ATP receptor; P2Y purinoceptor 1; 6H1 orphan receptor; P2Y purinergic receptor
UniProt Comments for P2RY1	Function: Receptor for extracellular adenine nucleotides such as ATP and ADP. Seems to mediate its action via a pertussis toxin insensitive G-protein, probably belonging to the G(q) family that activate a phosphatidylinositol-calcium second messenger system. Subcellular location: Cell membrane; Multi-pass membrane protein. Tissue specificity: Mainly found in blood, brain, and lung. To a lesser extent in stomach, gut and skeletal muscle. Sequence similarities: Belongs to the G-protein coupled receptor 1 family.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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