Platelet-Activating Factor Receptor (PTAFR) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Platelet-activating factor receptor (Ptafr), Recombinant Protein
Full Product Name	Recombinant Rat Platelet-activating factor receptor (Ptafr)
Product Gene Name	Ptafr recombinant protein
Product Synonym Gene Name	Ptafr
Product Synonym Names	Recombinant Platelet-activating factor receptor (Ptafr); Platelet-activating factor receptor; PAF-R; PAFr
Sequence	MEQNGSFRVD SEFRYTLFPI VYSVIFVLGV VANGYVLWVF ATLYPSKKLN EIKIFMVNLT VADLLFLMTL PLWIVYYSNE GDWIVHKFLC NLAGCLFFIN TYCSVAFLGV ITYNRYQAVA YPIKTAQATT RKRGITLSLV IWISIAATAS YFLATDSTNV VPKKDGSGNI TRCFEHYEPY SVPILVVHIF ITSCFFLVFF LIFYCNMVII HTLLTRPVRQ QRKPEVKRRA LWMVCTVLAV FVICFVPHHV VQLPWTLAEL GYQTNFHQAI NDAHQITLCL LSTNCVLDPV IYCFLTKKFR KHLSEKFYSM RSSRKCSRAT SDTCTEVMMP ANQTPVLPLK N
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	39,204 Da
Sequence Positions	1-341
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: 5; NC_005104.3 (154421912..154443798). Location: 5q36
3D Structure	ModBase 3D Structure for P46002
Species	Rattus norvegicus (Rat)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ptafr recombinant protein	MBS957488 is a recombinant protein targeting Ptafr. Also known as Recombinant Rat Platelet-activating factor receptor (Ptafr). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ptafr 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 Ptafr. It may not necessarily be applicable to this product.

NCBI GI #	16758018
NCBI GeneID	58949
NCBI Accession #	NP_445773.1

UniProt Primary Accession #	P46002
UniProt Related Accession #	P46002
GenBank Nucleotide #	NM_053321.2
NCBI Official Full Name	platelet-activating factor receptor
NCBI Official Synonym Full Names	platelet-activating factor receptor
NCBI Official Symbol	Ptafr
UniProt Protein Name	Platelet-activating factor receptor
Protein Family	Platelet-activating factor receptor
UniProt Gene Name	Ptafr
UniProt Synonym Gene Names	PAF-R; PAFr
UniProt Entry Name	PTAFR_RAT
NCBI Protein Information	platelet-activating factor receptor; PAFr; PAF-R
NCBI Summary for Ptafr	acts as a receptor to mediate the biological effects of platelet-activating factor [RGD, Feb 2006]
UniProt Comments for Ptafr	PTAFR: Receptor for platelet activating factor, a chemotactic phospholipid mediator that possesses potent inflammatory, smooth- muscle contractile and hypotensive activity. Seems to mediate its action via a G protein that activates a phosphatidylinositol- calcium second messenger system. Belongs to the G-protein coupled receptor 1 family. Protein type: Motility/polarity/chemotaxis; GPCR, family 1; Receptor, GPCR; Membrane protein, multi-pass; Membrane protein, integral
Research Articles on Ptafr	**1.** These data show the histological localization of PAF synthases and its receptor in the spinal cord following peripheral nerve injury.
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