Platelet-Activating Factor Acetylhydrolase Ib Subunit Gamma (PAFAH1B3) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Platelet-activating factor acetylhydrolase IB subunit gamma (PAFAH1B3), Recombinant Protein
Full Product Name	Recombinant Bovine Platelet-activating factor acetylhydrolase IB subunit gamma (PAFAH1B3)
Product Gene Name	PAFAH1B3 recombinant protein
Product Synonym Gene Name	PAFAH1B3
Sequence	SGDENPASKP TPVQDVQGDG RWMSLHHRFV ADSKDKEPEV VFIGDSLVQL MHQCEIWREL FSPLHALNFG IGGDSTQHVL WRLENGELEH IRPKIVVVWV GTNNHGHTAE QVTGGIKAIV QLVNERQPQA RVVVLGLLPR GQHPNPLREK NRRVNELVRA ALAGHPRAHF LDADPGFVHS DGTISHHDMY DYLHLSRLGY TPVCRALHSL LLRLLTQDQG QGGAPLPEPS P
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 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	25,865 Da
Sequence Positions	2-232, full length protein
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.
3D Structure	ModBase 3D Structure for Q29460
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PAFAH1B3 recombinant protein	This gene encodes an acetylhydrolase that catalyzes the removal of an acetyl group from the glycerol backbone of platelet-activating factor. The encoded enzyme is a subunit of the platelet-activating factor acetylhydrolase isoform 1B complex, which consists of the catalytic beta and gamma subunits and the regulatory alpha subunit. This complex functions in brain development. A translocation between this gene on chromosome 19 and the CDC-like kinase 2 gene on chromosome 1 has been observed, and was associated with mental retardation, ataxia, and atrophy of the brain. Alternatively spliced transcript variants have been described.
Other Notes	Small volumes of PAFAH1B3 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.
Searchable Terms for PAFAH1B3 purchase	MBS1376350 is a recombinant protein targeting PAFAH1B3. Also known as Recombinant Bovine Platelet-activating factor acetylhydrolase IB subunit gamma (PAFAH1B3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PAFAH1B3. It may not necessarily be applicable to this product.

NCBI GI #	27807201
NCBI GeneID	282515
NCBI Accession #	NP_777090.1
UniProt Primary Accession #	Q29460
UniProt Secondary Accession #	Q0VCF0
UniProt Related Accession #	Q29460
GenBank Nucleotide #	NM_174665.2
NCBI Official Full Name	platelet-activating factor acetylhydrolase IB subunit gamma
NCBI Official Synonym Full Names	platelet activating factor acetylhydrolase 1b catalytic subunit 3
NCBI Official Symbol	PAFAH1B3
UniProt Protein Name	Platelet-activating factor acetylhydrolase IB subunit gamma
UniProt Synonym Protein Names	PAF acetylhydrolase 29 kDa subunit; PAF-AH 29 kDa subunit; PAF-AH subunit gamma; PAFAH subunit gamma
Protein Family	Platelet-activating factor acetylhydrolase
UniProt Gene Name	PAFAH1B3
UniProt Synonym Gene Names	PAFAHG; PAF-AH 29 kDa subunit; PAFAH subunit gamma
NCBI Protein Information	platelet-activating factor acetylhydrolase IB subunit gamma
UniProt Comments for PAFAH1B3	Inactivates paf by removing the acetyl group at the sn-2 position. This is a catalytic subunit. Plays an important role during the development of brain.
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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