N-Acyl-Phosphatidylethanolamine-Hydrolyzing Phospholipase D (NAPEPLD) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D (NAPEPLD), Recombinant Protein
Full Product Name	Recombinant Bovine N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D (NAPEPLD)
Product Gene Name	NAPEPLD recombinant protein
Product Synonym Gene Name	NAPEPLD
Sequence	MDENETNQLL MTSNQYPKEA VRKRQNSRNS GGSDSSRFSR KSFKLDYRLE EDVTKSKKGK DGRFVNPWPT WKNPSIPSLL RWVITERDHS SVPCSKELDK ELPVLKPYFI DDPEEAGVRG AGLRVTWLGH ATVMVEMDEL ILLTDPIFSA RASPSQRMGP KRFRRAPCTV EELPRIDAVL VSHNHYDHLD CNSVIALNER FGNELRWFVP LGLLDWMQKC GCENVIELDW WEENCVPGHD KVTFVFTPSQ HWCKRTLMDD NKVLWGSWSV LGPWNRFFFA GDTGYCSAFE EIGKRFGPFD LAAIPIGAYE PRWFMKYQHV DPEEAVKIHI DVQAKKSVAI HWGTFALANE HYLEPPAKLC EALEKYRLKT EDFLVLKHGE SRYLNTDDED VE
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	45,341 Da
Sequence Positions	1-392, 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 Q58CN9
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NAPEPLD recombinant protein	MBS1424978 is a recombinant protein targeting NAPEPLD. Also known as Recombinant Bovine N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D (NAPEPLD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NAPEPLD 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 NAPEPLD. It may not necessarily be applicable to this product.

NCBI GI #	62751496
NCBI GeneID	541291

NCBI Accession #	NP_001015680.1
UniProt Primary Accession #	Q58CN9
UniProt Related Accession #	Q58CN9
GenBank Nucleotide #	NM_001015680.1
NCBI Official Full Name	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D
NCBI Official Synonym Full Names	N-acyl phosphatidylethanolamine phospholipase D
NCBI Official Symbol	NAPEPLD
NCBI Official Synonym Symbols	NAPE-PLD
UniProt Protein Name	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D
Protein Family	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase
UniProt Gene Name	NAPEPLD
UniProt Synonym Gene Names	N-acyl phosphatidylethanolamine phospholipase D; NAPE-PLD; NAPE-hydrolyzing phospholipase D
NCBI Protein Information	N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D
UniProt Comments for NAPEPLD	Hydrolyzes N-acyl-phosphatidylethanolamines (NAPEs) to produce N-acylethanolamines (NAEs) and phosphatidic acid. Responsible for the generation of anandamide (N-arachidonoylethanolamine), the ligand of cannabinoid and vanilloid receptors ().
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