

Recombinant Human NAPEPLD 293 Cell Lysate

Cat. No. NAPEPLD-3971HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for N-acyl phosphatidylethanolamine phospholipase D (NAPEPLD), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	NAPEPLD N-acyl phosphatidylethanolamine phospholipase D [Homo sapiens]
Official Symbol	NAPEPLD
Synonyms	NAPEPLD; N-acyl phosphatidylethanolamine phospholipase D; N-acyl-phosphatidylethanolamine-hydrolyzing phospholipase D; C7orf18; chromosome 7 open reading frame 18; N acyl phosphatidylethanolamine hydrolyzing phospholipase D; FMP30; NAPE PLD; NAPE-hydrolyzing phospholipase D; NAPE-PLD; DKFZp781D1098;
Gene ID	222236
mRNA Refseq	NM_001122838
Protein Refseq	NP_001116310
MIM	612334
UniProt ID	Q6IQ20
Chromosome Location	7q22.1
Pathway	Retrograde endocannabinoid signaling, organism-specific biosystem; Retrograde endocannabinoid signaling, conserved biosystem;

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Function

NAPE-specific phospholipase D activity; hydrolase activity; metal ion binding; zinc ion binding;

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