

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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