

## Recombinant Human NAPEPLD, His-tagged

**Cat. No.** NAPEPLD-152H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Recombinant Human N-Acyl-Phosphatidylethanolamine-Hydrolyzing Phospholipase D/NAPEPLD is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Phe393) of Human NAPEPLD fused with a polyhistidine tag at the C-terminus.                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-393 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MDENESNQSLMTSSQYPKEAVRKRQNSARNSGASDSSRFSRKSFKLDYRLEEDVT<br>KSKKG KDGR FVNPWPTWKNPSIPNVLRLWIMEKDHSSVPSSKEELDKELPVLPKY<br>FITNPEEAGV REAGLRVT WLGHATVMVEMDELIFLTDPIFSSRASPSQYMGPKRFR<br>RSPCTISELPPIDA VLISHNHYDHL D YNSVIALNERFGNELRWVPLGLLDWMQKCG<br>CENVIELDWWEENCVPG HDKVTFVFTPSQHWCK RTLMDDNKVLWGSWSVLGPW<br>NRFFFAAGDTGYCPAFEEIGKRFGP FDLAAPIGAYEPRWFMKYQ HVDPEEAVRIHT<br>DVQTKKSMIAHWGTFALANEHYLEPPVK LNEALERYGLNAEDFFVLKHGESR YLNN<br>DDENFVDHHHHHH |
| <b>Endotoxin</b>        | Less than 0.1 ng/μg (1 IEU/μg).                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                         |

### GENE INFORMATION

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|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | NAPEPLD N-acyl phosphatidylethanolamine phospholipase D [ Homo sapiens ]                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>     | NAPEPLD                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>            | 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; |
| <b>Gene ID</b>             | 222236                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_001122838                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | NP_001116310                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>                 | 612334                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>          | Q6IQ20                                                                                                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 7q22.1                                                                                                                                                                                                                                                                                                       |
| <b>Pathway</b>             | Retrograde endocannabinoid signaling, organism-specific biosystem; Retrograde endocannabinoid signaling, conserved biosystem;                                                                                                                                                                                |
| <b>Function</b>            | NAPE-specific phospholipase D activity; hydrolase activity; metal ion binding; zinc ion binding;                                                                                                                                                                                                             |