

### **Product datasheet for RC205745L3**

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## ABHD4 (NM\_022060) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** ABHD4 (NM\_022060) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: ABHD4

Synonyms: ABH4

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

**ORF Nucleotide** The ORF insert of this clone is exactly the same as(RC205745).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_022060

ORF Size: 1026 bp





#### ABHD4 (NM\_022060) Human Tagged Lenti ORF Clone - RC205745L3

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

**RefSeq:** <u>NM 022060.2</u>, <u>NP 071343.2</u>

 RefSeq Size:
 2543 bp

 RefSeq ORF:
 1029 bp

 Locus ID:
 63874

 UniProt ID:
 Q8TB40

 Cytogenetics:
 14q11.2

**Domains:** abhydrolase

Protein Families: Protease

MW: 38.8 kDa

**Gene Summary:** Lysophospholipase selective for N-acyl phosphatidylethanolamine (NAPE). Contributes to the

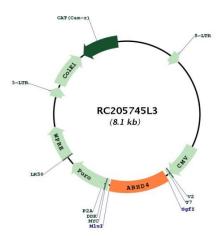
biosynthesis of N-acyl ethanolamines, including the endocannabinoid anandamide by hydrolyzing the sn-1 and sn-2 acyl chains from N-acyl phosphatidylethanolamine (NAPE) generating glycerophospho-N-acyl ethanolamine (GP-NAE), an intermediate for N-acyl ethanolamine biosynthesis. Hydrolyzes substrates bearing saturated, monounsaturated, polyunsaturated N-acyl chains. Shows no significant activity towards other lysophospholipids,

including lysophosphatidylcholine, lysophosphatidylethanolamine and

lysophosphatidylserine.[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for RC205745L3