

## Product datasheet for MR206408

### Nceh1 (NM\_178772) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nceh1 (NM_178772) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nceh1
Synonyms:	Aadacl1; B230106I24Rik; CPO-BP; Nceh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206408 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGTCGTCATGCGTCTACTGGCCGCTCTGCTGGCTCTGGCTGCCTACTACGTGTACATCCCCTGC  
CCAGCGCGGTGTCCGACCCCTGGAACTGATGCTGCTGGACGCCACTTCCGCGGCGCGCAGCAAGTGAG  
TAACCTGATACATTCCCTGGGACTGAACCACCTCTGATCGCGCTGAATTCATCATCACCTCTTTTGGC  
AAGCAAAGCGCAAGGTCTTCTCCGAAAGTGAAGGTGACAGACACCGACTTCGATGGGGTAGAAGTCCGAG  
TATTTGAAGGTTCTCCGAAACCAGAAGAGCCGCTGCGACGCGAGTGCATCTATATCCACGGAGGAGGCTG  
GGCCCTGGCTAGTGCAAAGATCAGCTACTATGACCAGCTGTGCACAACAATGGCTGAGGAGCTGAACGCC  
GTCATCGTTTCTATTGAATACAGGCTAGTCCCACAGGTCTATTTCCGGAGCAAATCCATGATGTCATCC  
GTGCCACTAAATATTTCCCTGCAGCCAGAAGTCTTAGACAAGTACAAGGTCGACCCCTGGAAGAGTCGGTAT  
TTCTGGAGACAGTGTGTTGGGAATCTGGCCGCGGCCCTGGGACAACAGTTTACCTACGTTGCCAGCCTG  
AAGAATAAGCTCAAACCTCAGGCTTTGGTCTACCCAGTCTGCAGGCTTTGGACTTCAACACACCCTCTT  
ACCAGCAAAGCATGAACACTCCGATCCTGCCGCGTCATGTCATGGTTAGGTAAGTACTGTTAGACTACTTCAA  
GGGCAACTACGACTTTGTAGAGGCCATGATTGTGAACAATCACACTTCACTTGATGTAGAAAGGGCTGCA  
GCCCTCAGGGCCCGTCTCGACTGGACATCCCTGTTGCCCTCGTCCATCAAAAAGAACTACAAGCCTATCA  
TGCAGACCACAGGGAACGCCAGGATCGTCCAGGAGATCCCTCAACTGCTGGACGCTGCTGCTTCTCCGCT  
CATCGCAGAGCAGGAAGTCTAGAGGCCCTCCCGAAGACCTACATCCTTACCTGCGAGCAGCAGCTCCTG  
CGGGACGATGGGATCATGTACGCCAAGCGCTTGGAGAGTGCGGGTGTGAACGTGACCTTGGACCACTTTG  
AGGACGGCTTCCATGGTTGATGATTTTTACAAGCTGGCCGACCAACTTCTCCGTGGGAATCCGGACTAG  
GAATAGTTACATCAAATGGCTGGATCAAACCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

**Protein Sequence:** >MR206408 protein sequence  
 Red=Cloning site Green=Tags(s)

MRSSCVLLAALLALAAYVYIPLPSAVSDPWKMLLDATFRGAQQVSNLIHSLGLNHHLIALNFIITSFG  
 KQ SARSSPKVKVTD TDFDGV E V R V F E G S P K P E E P L R R S V I Y I H G G W A L A S A K I S Y Y D Q L C T T M A E E L N A  
 V I V S I E Y R L V P Q V Y F P E Q I H D V I R A T K Y F L Q P E V L D K Y K V D P G R V G I S G S A G G N L A A A L G Q Q F T Y V A S L  
 K N K L K L Q A L V Y P V L Q A L D F N T P S Y Q Q S M N T P I L P R H V M V R Y W L D Y F K G N Y D F V E A M I V N N H T S L D V E R A A  
 A L R A R L D W T S L L P S S I K K N Y K P I M Q T T G N A R I V Q E I P Q L L D A A S P L I A E Q E V L E A L P K T Y I L T C E H D V L  
 R D D G I M Y A K R L E S A G V N V T L D H F E D G F H G C M I F T S W P T N F S V G I R T R N S Y I K W L D Q N L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_178772

**ORF Size:** 1227 bp

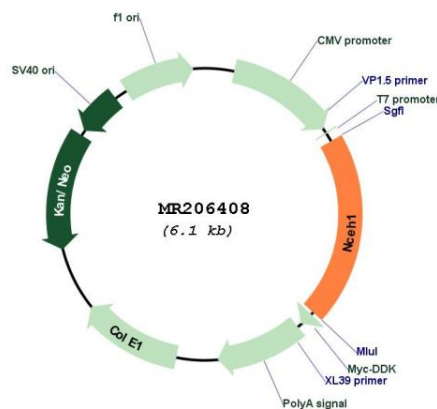
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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:** [NM\\_178772.3](#)
- RefSeq Size:** 4394 bp
- RefSeq ORF:** 1227 bp
- Locus ID:** 320024
- UniProt ID:** [Q8BLF1](#)
- Cytogenetics:** 3 A3
- MW:** 45.7 kDa
- Gene Summary:** Hydrolyzes 2-acetyl monoalkylglycerol ether, the penultimate precursor of the pathway for de novo synthesis of platelet-activating factor. May be responsible for cholesterol ester hydrolysis in macrophages. Also involved in organ detoxification by hydrolyzing exogenous organophosphorus compounds.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR206408