

Product datasheet for **RR203503**

Nceh1 (NM_001127524) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nceh1 (NM_001127524) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nceh1
Synonyms: Aadacl1; RGD1311104
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR203503 representing NM_001127524
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGTCGTCATGCGTCCTACTGGCCGCGCTGCTGGCGCTAGTCGCCTACTACGTGTACATCCCCTGC
 CCAGCGCTGTGTCCGACCCCTGGAACTGATGCTGCTGGATGCCACTTCCGCGGCGCGCAGCAAGTGAG
 TAACCTGATACATTCCCTGGGACTGAGCCACCATCTGATCACACTGAATTCATCATCATCTCTTTTGGC
 AAGAAAAGCGCAAGGTCTTCTCCAAGAGTGAAGGTGACGGACACTGACTTCGATGGCGTGGAGGTCCGAG
 TATTTCGAAGGCCCTCAAACCAGATGAGCCGCTGCGCCGAGTGTGGTCTATATCCACGGAGGAGGCTG
 GGCTTGGCCAGTGCAAAAATCAGCTACTATGACCAGCTGTGCACAGCAATGGCCGAGGAGCTGAACGCC
 GTCATCGTTTCTATTGAATACAGGCTAGTTCACAGGTTATTTTCTGAGCAAATTCATGATGTCATCC
 GGGCCACCAAATACTTCTACAGCCAGAAGTCTTAGACAAGTACAAGGTGGACCCCTGGAAGAGTCGGCGT
 TTCTGGAGACAGTGCCGGTGGGAATTTGGCTGCAGCCCTTGACAGCAGTTTACCTACGTTGAAAGCCTG
 AAGAATAAGCTCAAACACTACAGGCTTTGATCTACCCGGTCTGCAGGCTTTGGACTTCAACACACCCTCTT
 ATCAGCAGAGCATGAATACTCCCATCCTGCCTCGCCACGTCATGGTGAGGTAAGTACTGACTACTTCAA
 GGGCAACTATGACTTTGTAGAGGCAATGATTGTGAACAATCACACTTCACTTGATGTAGAAAGGGCTGCA
 GCCCTCAGGGCCCGTCTGGACTGGACATCCCTGTTGCCCTCATCCATCAAAAAGAACTACAAGCCTGTCT
 TACAGACCATAGGGGACCGCAGAATCGTCAAGGAGATCCCCAGCTGCTGGACGCGCTGCTTCCCGCT
 CATCGCAGAGCAGGAAGTGCTTCAGGCCCTCCCGAAGACCTACATCCTCACGTGCGAGCATGATGTCCTG
 CGTGACGACGGGATCATGTACGCCAAGCGCCTGGAGAGTGCGGGTGTGAACGTGACCTTGGACCACTTTG
 AGGACGGCTTCCATGGCTGTATGATTTTACAAGCTGGCCGACCAACTTCTCTGTAGGAATCCGGACTAG
 GGATAGTTACTTCAAATGGCTGGATCAAACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203503 representing NM_001127524
 Red=Cloning site Green=Tags(s)

MRSSCVLLAALLALVAYVYIPLPSAVSDPWKMLLDATFRGAQQVSNLIHSLGLSHHLITLNFIIISFG
 KKSARSSPRVKVTDTFDGVQVRFEGPPKDEPLRRSVVYIHGGWALASAKISYYDQLCTAMAEELNA
 VIVSIEYRLVPQVYFPEQIHDVIRATKYFLQPEVLDKYKVDPRVGVSGDSAGGNLAAALGQOFTYVESL
 KNKLLQALIIYVVLQALDFNTPSYQQSMNTPILPRHVMVRYWVDYFKGNVDFVEAMIVNNHTSLDVERAA
 ALRRLDWTSLLPSSIKKNYPVLQTIQDARIVKEIPQLLDAAASPLIAEQEVLQALPKTYILTCEHDVL
 RDDGIMYAKRLESAGVNVTLDFEDGFHGCMIFTSWPTNFSVGIRTRDSYFKWLDQNL

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_001127524

ORF Size: 1224 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 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_001127524.2](#), [NP_001120996.1](#)

RefSeq Size: 2099 bp

RefSeq ORF: 1227 bp

Locus ID: 294930

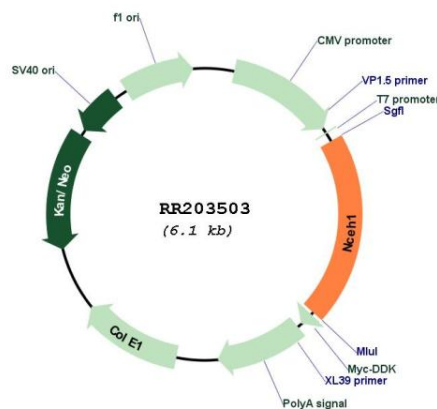
UniProt ID: [B2GV54](#)

Cytogenetics: 2q24

MW: 45.8 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR203503