

Product datasheet for **MG206408**

Nceh1 (NM_178772) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nceh1 (NM_178772) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nceh1
Synonyms:	Aadacl1; B230106I24Rik; CPO-BP; Nceh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206408 representing NM_178772 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGTCGTCATGCGTCTACTGGCCGCTCTGCTGGCTCTGGCTGCCTACTACGTGTACATCCCCTGC
CCAGCGCGGTGTCCGACCCCTGGAACTGATGCTGCTGGACGCCACTTCCGCGGCGCGCAGCAAGTGAG
TAACCTGATACATTCCCTGGGACTGAACCACCATCTGATCGCGCTGAATTCATCATCACCTCTTTTGGC
AAGCAAAGCGCAAGGTCTTCTCCGAAAGTGAAGGTGACAGACACCGACTTCGATGGGTAGAAAGTCCGAG
TATTTGAAGTTCTCCGAAACCAGAAGAGCCGCTGCGACGCAGCGTCATCTATATCCACGGAGGAGGCTG
GGCCCTGGCTAGTGCAAAGATCAGCTACTATGACCAGCTGTGCACAACAATGGCTGAGGAGCTGAACGCC
GTCATCGTTTCTATTGAATACAGGCTAGTCCCACAGGTCTATTTCCGGAGCAAATCCATGATGTCATCC
GTGCCACTAAATATTTCCCTGCAGCCAGAAGTCTTAGACAAGTACAAGGTCGACCCCTGGAAGAGTCGGTAT
TTCTGGAGACAGTGTGTTGGGAATCTGGCCGCGGCCCTGGGACAACAGTTTACCTACGTTGCCAGCCTG
AAGAATAAGCTCAAACCTGCAGGCTTTGGTCTACCCAGTCTGCAGGCTTTGGACTTCAACACACCCTCTT
ACCAGCAAAGCATGAACACTCCGATCCTGCCGCGTCATGTCATGGTTAGGTAAGTACTGTTAGACTACTTCAA
GGGCAACTACGACTTTGTAGAGGCCATGATTGTGAACAATCACACTTCACTTGATGTAGAAAGGGCTGCA
GCCCTCAGGGCCCGTCTCGACTGGACATCCCTGTTGCCCTCGTCCATCAAAAAGAACTACAAGCCTATCA
TGCAGACCACAGGGAACGCCAGGATCGTCCAGGAGATCCCTCAACTGCTGGACGCTGCTGCTTCTCCGCT
CATCGCAGAGCAGGAAGTCTAGAGGCCCTCCCGAAGACCTACATCCTTACCTGCGAGCAGCAGCTCCTG
CGGGACGATGGGATCATGTACGCCAAGCGCTTGGAGAGTGCGGGTGTGAACGTGACCTTGGACCACTTTG
AGGACGGCTTCCATGGTTGATGATTTTTACAAGCTGGCCGACCAACTTCTCCGTGGGAATCCGGACTAG
GAATAGTTACATCAAATGGCTGGATCAAACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206408 representing NM_178772
Red=Cloning site Green=Tags(s)

MRSSCVLLAALLALAAYVYIPLPSAVSDPWKMLLDATFRGAQQVSNLIHSLGLNHHLIALNFIITSFG
 KQ SARSSPKVKVTD TDFDGEV RVFEGSPKPEEPLRRSVIYIHGGG WALASAKISYYDQLCTTMAEELNA
 VIVSIEYRLVPQVYFPEQIHDVIRATKYFLQPEVLDK YKVD PGRVGISGDSAGGNLAAALGQQFTYVASL
 KNK LKLQALVYPVLQALDFNTPSYQQSMNTPILPRHVMVRYWLDYFKGNYDFVEAMIVNNHTSLDVERAA
 ALRRLDWTSLLPSSIKKNYKPIMQTTGNARIVQEIPQLLDAAASPLIAEQEVLEALPKTYILTCEHDVL
 RDDGIMYAKRLESAGVNVTLDFHFDGFGHCMIFTSWPTNFSVGIRTRNSYIKWLDQNL

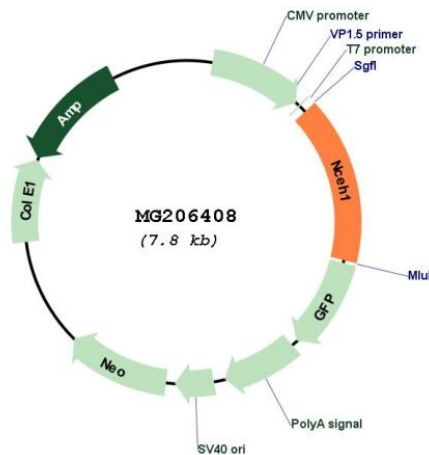
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_178772

ORF Size:	1224 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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:	4395 bp
RefSeq ORF:	1227 bp
Locus ID:	320024
UniProt ID:	Q8BLF1
Cytogenetics:	3 A3
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]