

Product datasheet for RC228360L4

AADACL1 (NCEH1) (NM_001146276) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: mGFP

Symbol: AADACL1

Synonyms: AADACL1; NCEH

Mammalian Cell

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC228360).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:

The diagram shows the Kozak Consensus sequence: CTATAGGGCGGCCGGAAATTCTCGTCACTGGATCCGGTACCGAGGAGACTGCGCCGCGATCGC. Above the sequence, restriction sites *EcoRI*, *BamHI*, *RBS*, *SgfI*, and *ORF* are indicated. Below the sequence, the *MluI*, *NotI*, and *XhoI* sites are marked. A green box highlights the sequence NNN, which is cleaved by *MluI* at positions T, R, and T. The *mGFP Tag* is attached to the sequence starting at position E, with its start site at position M.

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

ACCN: NM_001146276

ORF Size: 1344 bp

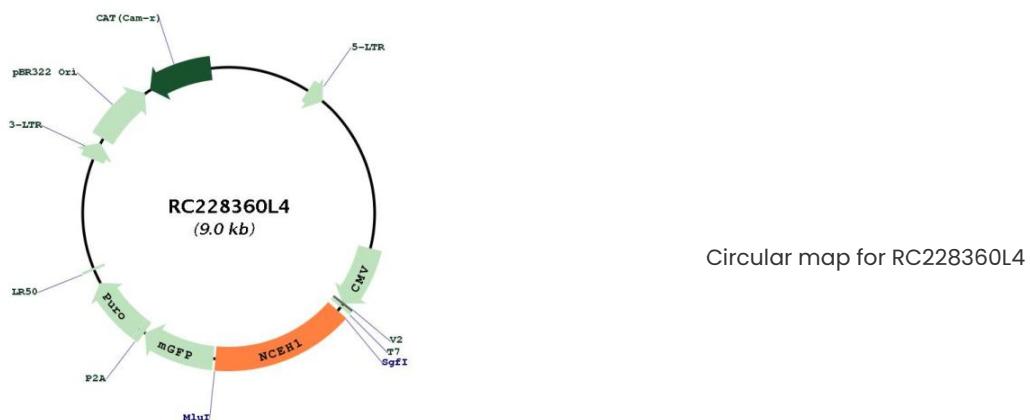


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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001146276.1 , NP_001139748.1
RefSeq ORF:	1251 bp
Locus ID:	57552
UniProt ID:	Q6PIU2
Cytogenetics:	3q26.31
Protein Families:	Transmembrane
MW:	49.7 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, thereby contributing to the development of atherosclerosis. Also involved in organ detoxification by hydrolyzing exogenous organophosphorus compounds. May contribute to cancer pathogenesis by promoting tumor cell migration. [UniProtKB/Swiss-Prot Function]

Product images:

Circular map for RC228360L4