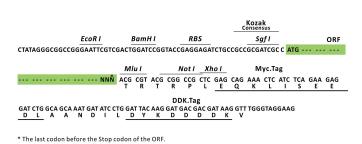


Product datasheet for RC200666L3

AARE (APEH) (NM_001640) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AARE (APEH) (NM_001640) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	AARE
Synonyms:	AARE; ACPH; APH; D3F15S2; D3S48E; DNF15S2; OPH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200666).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Sgfi ORF Miu i



--- GCG ATC GC ATG --- //--- NNN ACG CGT ---

ACCN: ORF Size: NM_001640 2196 bp

OriGene Technologies, Inc.

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	ARE (APEH) (NM_001640) Human Tagged Lenti ORF Clone – RC200666L3
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 <u>custsupport@origene.com</u> 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. <u>More info</u>
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 Met	 centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 001640.3, NP 001631.3</u>
RefSeq Size:	2775 bp
RefSeq ORF:	2199 bp
Locus ID:	327
UniProt ID:	<u>P13798</u>
Cytogenetics:	3p21.31
Domains:	Peptidase_S9
Protein Families:	Druggable Genome, Protease
MW:	81 kDa

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Serigene AARE (APEH) (NM_001640) Human Tagged Lenti ORF Clone – RC200666L3

Gene Summary:This gene encodes the enzyme acylpeptide hydrolase, which catalyzes the hydrolysis of the
terminal acetylated amino acid preferentially from small acetylated peptides. The acetyl
amino acid formed by this hydrolase is further processed to acetate and a free amino acid by
an aminoacylase. This gene is located within the same region of chromosome 3 (3p21) as the
aminoacylase gene, and deletions at this locus are also associated with a decrease in
aminoacylase activity. The acylpeptide hydrolase is a homotetrameric protein of 300 kDa with
each subunit consisting of 732 amino acid residues. It can play an important role in
destroying oxidatively damaged proteins in living cells. Deletions of this gene locus are found
in various types of carcinomas, including small cell lung carcinoma and renal cell carcinoma.
[provided by RefSeq, Jul 2008]

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