

Product datasheet for SC201851

AARE (APEH) (NM_001640) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	AARE (APEH) (NM_001640) Human 3' UTR Clone
Symbol:	AARE
Synonyms:	AARE; ACPH; APH; D3F15S2; D3S48E; DNF15S2; OPH
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001640
Insert Size:	659 bp
Insert Sequence:	<p>>SC201851 3'UTR clone of NM_001640</p> <p>The sequence shown below is from the reference sequence of NM_001640. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
CTCTGGCTACGCACACACTTGGGCAGCTAGAGCCCTGCCATTCTGCATGAGCTGATCAGCCTGTGCCAC
ACTTCGCTCTTGAGGAGCTCAACGGTCTGGCAGGGCAGCAGGAGGCTTTCTGGGCTCTGGACTCCACGG
ATGCGTGGCAGAGGAATGTGGCTATGTAGTCATAATAAATTAGGACACAGAGCCTGGTTCCTGCTGG
TACTTTGTACCAAACCATCCCCAACCCACCTCCCACTCTGGGGTGCAGAGACCCTAGGTTCTGGGTGT
GGCAGCCACAAGGGCTTCATCTGCCTCCAGTGTGAGAAGGGAGGGAACAGTGAGAGGCTTAGCCTCTGC
CTGTCTCTGGCAACCAGGACTCTGTACCAGCCTAGCTTCCCTGCTGCAGCCCTTCCATTAGCAACTACT
CTGTACCACCCTTCCCAAGAGTATGTCTGGAGGACTAGTGTGAGGCCCTGTCTTCCACGGCACCCATG
GGCAAAAGTAGTCCCAGGGACATTGCCTTGGTTGGGGAAGCCCTAGGCTGGACAGATCACCTAGCCCA
GGGTGTGCTGGGCTCAAGCCACCCGAGCCCTAGCAAGGAGTCACTGACACATTTCTGGAAGCAAAGGC
TAAGAAGCATCTGTACAGGCATAAAGAGGAAACATGGC
ACGCGTAAGCGGCCGCGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).


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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001640.4</u>
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]
Locus ID:	327
MW:	23.8