

Recombinant Human APEH, His-tagged

Cat. No. APEH-26038TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 560-732 of Human AARE with an N terminal His tag. mol wt: 21 kDa.
Species	Human
Source	E.coli
ProteinLength	560-732 a.a.
Description	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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 78 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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phosphate, 10mM Sodium chloride, pH 4.5

Storage Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Sequences of amino acids VKDVQFAVEQVLQEEHFDASHVALMGGSHGGFISCHLIGQ YPETYRACVARNPVINI
ASMLGSTDIPDWCVVEAGFPF SSDCLPDL SVWAEMLDKSPIRYIPQVKTPLLLMLG
QED RRVPFKQGMEYYRALKTRNVPVRLLLYPKSTHALSEVEVE SDSFMNAVLWLR
THLGS

GENE INFORMATION

Gene Name APEH N-acylaminoacyl-peptide hydrolase [Homo sapiens]

Official Symbol APEH

Synonyms APEH; N-acylaminoacyl-peptide hydrolase; D3F15S2, D3S48E, DNF15S2;
acylamino-acid-releasing enzyme;

Gene ID 327

mRNA Refseq NM_001640

Protein Refseq NP_001631

MIM 102645

Uniprot ID P13798

Chromosome Location 3p21

Function hydrolase activity; serine-type endopeptidase activity;

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