

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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