

Acylamino-acid-releasing enzyme (APEH) Recombinant Protein | APEH recombinant protein

Recombinant Human Acylamino-acid-releasing enzyme (APEH)

CATALOG # AAA18427	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
------------------------------	---

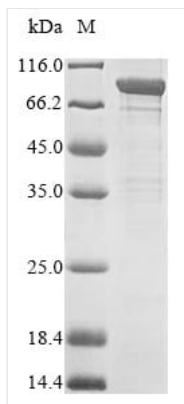
PRODUCT SYNONYMS

Acylamino-acid-releasing enzyme (APEH); Recombinant Human Acylamino-acid-releasing enzyme (APEH); APEH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-732aa; Full Length Protein
Sequence	MERQVLLSEP EEAAALYRGL SRQPALSAAC LGPEVTTQYG GQYRTVHTEW TQRDLERMEN IRFCRQYLVF HDGDSVVFAG PAGNSVETRG ELLSRESPSG TMKAVLRKAG GTGPGEEKQF LEVWEKNRKL KSFNLSALEK HGPVYEDDCF GCLSWSHSET HLLYVAEKKR PKAESFFQTK ALDVSASDDE IARLKKPDQA IKGDQFVFEY DWGENMVSKS IPVLCVLDVE SGNISVLEGV PENVSPGQAF WAPGDAGVVF VGWWHEPFRL GIRFCTNRRS ALYYVDLIGG KCELLSDDSL AVSSPRLSPD QCRIVYLQYP SLIPHHQCSQ LCLYDWYTKV TSVVVDVPR QLGENFSGIY CSLLPLGCWS ADSQRVVFDS AQRSRQDLFA VDTQVGTVTS LTAGGSGGSW KLLTIDQDLM VAQFSTPSLP PTLKVGFLPS AGKEQSVLWV SLEEAEPID IHWGIRVLQP PPEQENVQYA GLDFEAILLQ PGSPDKTQV PMVMPHGGP HSSFVTAWML FPAMLCCKMGF AVLLVNYRGS TGFGQDSILS LPGNVGHQDV KDVQFAVEQV LQEEHFDASH VALMGGSHGG FISCHLIGQY PETYRACVAR NPVINIASML GSTDIPDWCV VEAGFPFSSD CLPDLSVWAE MLDKSPIRYI PQVKTPLLLM LGQEDRRVPF KQGMYYRAL KTRNVPVRL LYPKSTHALS EVEVESDSFM NAVLWLRTHL GS
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for APEH recombinant protein	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.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	23510451
NCBI GeneID	327
NCBI Accession #	NP_001631.3
NCBI GenBank Nucleotide #	NM_001640.3
UniProt Accession #	P13798; Q9BQ33; Q9P0Y2
Molecular Weight	85.2 kDa
NCBI Official Full Name	acylamino-acid-releasing enzyme
NCBI Official Synonym Full Names	acylaminoacyl-peptide hydrolase
NCBI Official Symbol	APEH
NCBI Official Synonym Symbols	APH; OPH; AARE; ACPH; D3S48E; D3F15S2; DNF15S2
NCBI Protein Information	acylamino-acid-releasing enzyme
UniProt Protein Name	Acylamino-acid-releasing enzyme
UniProt Gene Name	APEH
UniProt Synonym Gene Names	D3F15S2; D3S48E; DNF15S2; AARE; APH; OPH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.