Recombinant Human Acylamino-acid-releasing enzyme (APEH)

Product Code	CSB-MP001899HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P13798
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MERQVLLSEP EEAAALYRGL SRQPALSAAC LGPEVTTQYG GQYRTVHTEW TQRDLERMEN IRFCRQYLVF HDGDSVVFAG PAGNSVETRG ELLSRESPSG TMKAVLRKAG GTGPGEEKQF LEVWEKNRKL KSFNLSALEK HGPVYEDDCF GCLSWSHSET HLLYVAEKKR PKAESFFQTK ALDVSASDDE IARLKKPDQA IKGDQFVFYE DWGENMVSKS IPVLCVLDVE SGNISVLEGV PENVSPGQAF WAPGDAGVVF VGWWHEPFRL GIRFCTNRRS ALYYVDLIGG KCELLSDDSL AVSSPRLSPD QCRIVYLQYP SLIPHHQCSQ LCLYDWYTKV TSVVVDVVPR QLGENFSGIY CSLLPLGCWS ADSQRVVFDS AQRSRQDLFA VDTQVGTVTS LTAGGSGGSW KLLTIDQDLM VAQFSTPSLP PTLKVGFLPS AGKEQSVLWV SLEEAEPIPD IHWGIRVLQP PPEQENVQYA GLDFEAILLQ PGSPPDKTQV PMVVMPHGGP HSSFVTAWML FPAMLCKMGF AVLLVNYRGS TGFGQDSILS LPGNVGHQDV KDVQFAVEQV LQEEHFDASH VALMGGSHGG FISCHLIGQY PETYRACVAR NPVINIASML GSTDIPDWCV VEAGFPFSSD CLPDLSVWAE MLDKSPIRYI PQVKTPLLLM LGQEDRRVPF KQGMEYYRAL KTRNVPVRLL LYPKSTHALS EVEVESDSFM NAVLWLRTHL GS
Source	Mammalian cell
Target Names	APEH
Protein Names	Recommended name: Acylamino-acid-releasing enzyme Short name= AARE EC= 3.4.19.1 Alternative name(s): Acyl-peptide hydrolase Short name= APH Acylaminoacyl-peptidase Oxidized protein hydrolase Short name= OPH
Expression Region	1-732
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.