

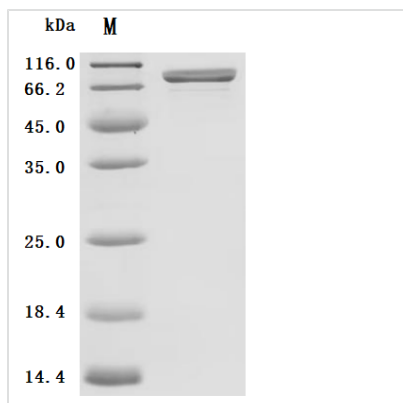


Recombinant Human Acylamino-acid-releasing enzyme (APEH) (Active)

Product Code	CSB-MP001899HU
Abbreviation	Recombinant Human APEH protein (Active)
Storage	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?/-80?. The shelf life of lyophilized form is 12 months at -20?/-80?.
Uniprot No.	P13798
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Biological Activity	Measured by its ability to hydrolyze the fluorogenic substrate Ac-Met-AMC. The specific activity is >45 pmol/min/µg.
Purity	Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC.
Sequence	MERQVLLSEPEEAAALYRGLSRQPALSAACLGPEVTTQYGGQYRTVHTEWTQ RDLERMENIRFCRQYLVFHDGDSVVFAGPAGNSVETRGELLSRESPSGTMKA VLRKAGGTGPGEEKQFLEVWEKNRKLKSFNLSALEKHGPVYEDDCFGCLSW SHSETHLLYVAEKKRPKAESFFQTKALDVSASDDEIARLKKPDQAIKGDQFVFY EDWGENMVSKSIPVLCVLDVESGNISVLEGVPENVSPPGQAFWAPGDAGVVFV GWWHEPFRLGIRFCTNRRSALYYVDLIGGKCELLSDDSLAVSSPRLSPDQCRI VYLQYPSLIPHHQCSQLCLYDWYTKVTSVVVDVVPRLGENFSGIYCSLLPLG CWSADSQRVVFDSAQRSRQDLFAVDTQVGTVTSLTAGGSGGSWKLLTIDQDL MVAQFSTPSLPPTLKVGFPLSAGKEQSVLWVSLEEAEPIDHWGIRVLQPPPE QENVQYAGLDFEAILLQPGSPDKTQVPMVMPHGGPHSSFVTAWMLFPAML CKMGFAVLLVNYRGSTGFGQDSILSLPGNVGHQDVKDVQFAVEQVLQEEHFD ASHVALMGGSHGGFISCHLIGQYPETYRACVARNPVINIASMLGSTDIPDWCV VEAGFPFSSDCLPDLVVAEMLDKSPIRYIPQVKTPLLLMLGQEDRRVVPFKQG MEYYRALKTRNVPVRLLLYPKSTHALSEVEVESDSFMNAVLWLRTHLGS
Source	Mammalian cell
Target Names	APEH
Expression Region	1-732aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	82.9 kDa


Protein Length

Full Length

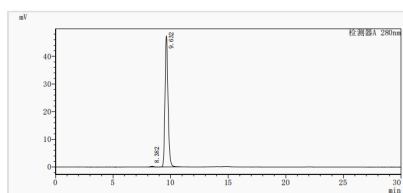
Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Enzyme	Human APEH (CSB-MP001899HU)	0.0625ug/well
Substrate	Ac-Met-AMC (Bachem, 4028557, 250mg)	10μM
Assay Buffer	50 mM Tris/HCl (pH 7.5), 1% (v/v) Triton X-100	/
Reaction system	/	100μl
Reaction conditions	80min in dark at 37°C	/
Enzyme activity unit	>45 pmol/min/μg	/

Activity

Measured by its ability to hydrolyze the fluorogenic substrate Ac-Met-AMC. The specific activity is >45 pmol/min/μg.



The purity of APEH was greater than 95% as determined by SEC-HPLC

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

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.