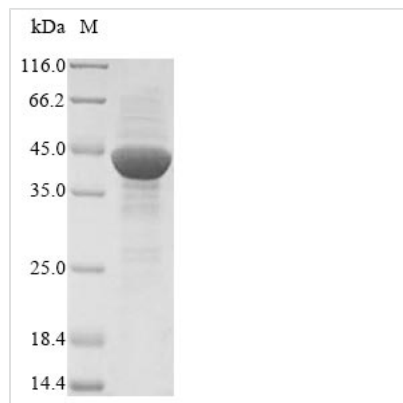




Recombinant Pig Aminopeptidase N (ANPEP), partial

Product Code	CSB-EP001827PI
Abbreviation	Recombinant Pig ANPEP protein, partial
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P15145
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	WVLLNVNVTGYFQVNYDEDNWRMIQHQLQTNLVIPVINRAQVIYDSFNLATA HMVPVTLALDNTLFLNGEKEYMPWQAALSSLSYFSLMFDRSEVYGPMKKYLR KQVEPLFQHFETLTKNWTERPENLMDQYSEINAISTACSNGLPQCENLAKTLF DQWMSDPENNPIHPNLRSTIYCNAIAQGGQDQWDFAWGQLQQAQLVNEADK LRSALACSNEVWLLNRYLGYTLNPDILIRKQDATSTINSIASNVIGQPLAWDFVQ SNWKKLFQDYGGGSFSFSNLIQGVTRRFSSEFELQQLEQFKKNNMDVGFGS GTRALEQALEKTKANIKWVKENKEVVLNWFIEHS
Research Area	Immunology
Source	E.coli
Target Names	ANPEP
Protein Names	Recommended name: Aminopeptidase N Short name= AP-N Short name= pAPN EC= 3.4.11.2 Alternative name(s): Alanyl aminopeptidase Aminopeptidase M Short name= AP-M Microsomal aminopeptidase gp130 CD_antigen=
Expression Region	616-963aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	47.1 kDa
Protein Length	Partial
Image	



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

Description

The gene coding for the Pig ANPEP protein (616-963aa) is introduced into a plasmid vector, creating recombinant plasmid that is subsequently transformed into e.coli cells. e.coli cells capable of surviving in the presence of a specific antibiotic are selected and then cultured under conditions favorable for the expression of the gene of interest. A N-terminal 10xHis tag and C-terminal Myc tag is attached to the protein. Post-expression, the recombinant Pig ANPEP protein is isolated and purified from the cell lysate using affinity purification. Denaturing SDS-PAGE is applied to resolve the resulting recombinant Pig ANPEP protein, revealing a purity exceeding 85%.

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.