

Datasheet for ABIN7596278

CD13 Protein (AA 33-966) (His tag)[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	CD13 (ANPEP)
Protein Characteristics:	AA 33-966
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD13 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	YAEKNR NAENSATAPT LPGSTSATTA TTTPAVDESK PWNQYRLPKT LIPDSYRVIL RPLYTPNNQG LYIFQGNSTV RFTCNQTTDV IIIHSKLLNY TLKGNHRVVL RTLDGTPAPN IDKTELVERT EYLVVHLQGS LVEGRQYEMD SQFQELADD LAGFYRSEYM EGDVKKVVAT TQMQAADARK SFPCFDEPAM KAMFNITLIY PNNLIALSNM LPKESKPYPE DPSCTMTEFH STPKMSTYLL AYIVSEFKNI SSVSANGVQI GIWARPSAID EGQGDYALNV TGPILNFFAQ HYNTSYPLPK SDQIALPDFN AGAMENWGLV TYRESSLVFD SQSSSISNKE RVVTVIAHEL AHQWFGNLVT VAWWNDLWLN EGFASYVEYL GADYAEPTWN LKDLMLVNDV YRVMVDALA SSHPLSSPAD EIKTPDQIME LFDSITYSKG ASVIRMLSSF LTEDLFKKGL SSYLHTYQYS NTVYLDLWEH LQKAVNQQT VQPPATVRTI MDRWILQMGF PVITVNTNTG EISQKHFLLD SKSNVTRPSE FNYIWIPIPI FLKSGQEDHY WLDVEKNQSA KFQTSSNEWI LLNINVTGY LVNYDENNNWK KLQNQLQTDL SVIPVINRAQ IIHDSFNLAS AKMIPITLAL DNTLFLVKEA
-----------	--

Product Details

EYMPWQAALS SLNYFTLMFD RSEVYGPMKR YLKKQVTPLF FYFQNRTNNW VNRPPTLMEQ
YNEINAISTA CSSGLKECRD LVVELYSQWM KNPNNNTIHP NLRSTVYCNA IAFGGEEEWN
FAWEQFRNAT LVNEADKLRS ALACSKDVWI LNRYLSYTLN PDYIRKQDTT STIISIASNV
AGHPLVWDFV RSNWKKLFEN YGGGSFSFAN LIQGVTRRFS SEFELQCLEQ FKADNSATGF
GTGTRALEQA LEKTRANIDW VKENKDAVFK WFTENSS

Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 4,000pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1pmole of H-Ala-AMC to Alanine and AMC per minute at pH7.5 at 25C.

Target Details

Target:	CD13 (ANPEP)
Alternative Name:	Aminopeptidase N/CD13 (ANPEP Products)
Background:	Anpep, also known as aminopeptidase N, is located in the small-intestinal and renal microvillar membrane, and also in other plasma membranes. It plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. This protein is also involved in the processing of various peptides including peptide hormones, such as angiotensin III and IV, neuropeptides, and chemokines. It has a role in angiogenesis and promote cholesterol crystallization and in amino acid transport by acting as binding partner of amino acid transporter SLC6A19 and regulating its activity. Recombinant mouse Anpep, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	107.5 kDa (943aa)
NCBI Accession:	NP_032512
Pathways:	Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.