9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-6665: ANPEP Mouse

Application :	Functional Assay
Alternative Name :	Anpep, AP-M, AP-N, Apn, Cd13, P150, mAPN, Alanyl aminopeptidase, Aminopeptidase M, Membrane protein p161, Microsomal aminopeptidase, CD13, Lap-1, Lap1, aminopeptidase N.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
ANPEP or aminopeptidase N, is an enzyme, found in the small-intestinal and renal microvillar membrane and other plasma membranes. The enzyme has a critical part in the digestion of peptides after their hydrolysis by gastric and pancreatic proteases. ANPEP is also part ofthe processing of different peptides as well as peptide hormones, neuropeptides & chemokines. The protein takes part in angiogenesis, enhancing cholesterol crystallization &amino acid transport by formatting with SLC6A19 transport protein and regulating its activity.
ANPEP Mouse produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing Â 943 amino acids (33-966 a.a.) and having a molecular mass of Â 107.5 kDa. ANPEPis expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	ANPEP protein solution (0.5mg/ml) contains PBS (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPYAQEKNR NAENSATAPT LPGSTSATTA TTTPAVDESK PWNQYRLPKT LIPDSYRVIL RPYLTPNNQG LYIFQGNSTV RFTCNQTTDV IIIHSKKLNY TLKGNHRVVL RTLDGTPAPN IDKTELVERT EYLVVHLQGS LVEGRQYEMD SQFQGELADD LAGFYRSEYM EGDVKKVVAT TQMQAADARK SFPCFDEPAM KAMFNITLIY PNNLIALSNM LPKESKPYPE DPSCTMTEFH STPKMSTYLL AYIVSEFKNI SSVSANGVQI GIWARPSAID EGQGDYALNV TGPILNFFAQ HYNTSYPLPK SDQIALPDFN AGAMENWGLV TYRESSLVFD SQSSSISNKE RVVTVIAHEL AHQWFGNLVT VAWWNDLWLN EGFASYVEYL GADYAEPTWN LKDLMVLNDV YRVMAVDALA SSHPLSSPAD EIKTPDQIME LFDSITYSKG ASVIRMLSSF LTEDLFKKGL SSYLHTYQYS NTVYLDLWEH LQKAVNQQTA VQPPATVRTI MDRWILQMGF PVITVNTNTG EISQKHFLLD SKSNVTRPSE FNYIWIAPIP FLKSGQEDHY WLDVEKNQSA KFQTSSNEWI LLNINVTGYY LVNYDENNWK KLQNQLQTDL SVIPVINRAQ IIHDSFNLAS AKMIPITLAL DNTLFLVKEA EYMPWQAALS SLNYFTLMFD RSEVYGPMKR YLKKQVTPLF FYFQNRTNNW VNRPPTLMEQ YNEINAISTA CSSGLKECRD LVVELYSQWM KNPNNNTIHP NLRSTVYCNA IAFGGEEEWN FAWEQFRNAT LVNEADKLRS ALACSKDVWI LNRYLSYTLN PDYIRKQDTT STIISIASNV AGHPLVWDFV RSNWKKLFEN YGGGSFSFAN LIQGVTRRFS SEFELQQLEQ FKADNSATGF GTGTRALEQA LEKTRANIDW VKENKDAVFK WFTENSSHHH HHH

Application Note

Specific activity is > 4,000pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1pmole of H-AlaAMC to Alanine and AMC per minute at pH7.5 at 25C.