

Mouse ANPEP Recombinant Protein



RPPB1402

Product Information Protein Information

Product SKU:

RPPB1402

Accession:

P97449

Host:

Sf9, Baculovirus cells.

Protein description:

ANPEP Mouse produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 943 amino acids (33-966 a.a.) and having a molecular mass of 107.5 kDa. ANPEP is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Anpep, AP-M, AP-N, Apn, Cd13, P150, mAPN, Alanyl aminopeptidase, Aminopeptidase M, Membrane protein p161, Microsomal aminopeptidase, CD13, Lap-1, Lap1, aminopeptidase N.

Formulation:

ANPEP protein solution (0.5mg/ml) contains PBS (pH 7.4) and 10% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

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 Sequence:

ADPYAQEKNR NAENSATAPT LPGSTSATTA TTPAVDESK PWNQYRLPKT LIPDSYRVIL RPYLTPNNQG LYIFQGNSTV
RFTCNQTTDV IIIHKKLNY TLKGNHRVVL RTLDGTPAPN IDKTELVERT EYLVVHLQGS LVEGRQYEMD SQFQGELEAD
LAGFYRSEYM EGDVKKVAT TQMQAADARK SFPDFEPAM KAMFNITLIY PNNLIALSNM LPKESKPYPE
DPSCMTTEFH STPKMSTYLL AYIVSEFKNI SSVSANGVQI GIWARPSAID EGQGDYALNV TGPILNFFAQ HYNTSYPLPK
SDQIALPDFN AGAMENWGLV TYRESSLVFD SQSSSISNKE RVVTVIAHEL AHQWFGNLVT VAWWNDLWLN
EGFASYVEYL GADYAEPTWN LKDLMLVNDV YRVMVDALA SSHPLSPAD EIKTPDQIME LFDSITYSKG ASVIRMLSSF
LTEDLFKKGL SSYLHTYQYS NTVYLDLWEH LQKAVNQTA VQPPATVRTI MDRWILQMGF PVITVNTNTG
EISQKHFLLD SKSNVTRPSE FNYIWIPIF FLKSGQEDHY WLDVEKNQSA KFQTSSNEWI LLNINVTGY
LVNYDENNWK KLQNLQQTDL SVIPVINRAQ IHDSEFNLA AKMIPITLAL DNTLFLVKEA EYMPWQAALS
SLNYFTLMFD RSEVYGPMPK YLKKQVTPLF FYFQNRNTNW VNRPPTLMEQ YNEINAISTA CSSGLKECRD
LVVELYSQWM KNPNNNTIHP NLRSTVYCNA IAFGEEEW NFAWEQFRNAT LVNEADKLRS ALACSKDWWI
LNRYLSYTLN PDYIRKQDIT STIISIASNV AGHPLVWDFV RSNWKKLFEN YGGGSFSFAN LIQGVTRRFS SEFELQQLQ
FKADNSATGF GTGTRALEQA LEKTRANIDW VKENKDAVFK WFTENSSH HHH

Biological Activity:

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.