

Aminopeptidase N/APN Protein, Human (I603M, HEK293, His)

Cat. No.:	HY-P72881
Synonyms:	Aminopeptidase N; AP-N; Hapn; AP-M; CD13; ANPEP; PEPN
Species:	Human
Source:	HEK293
Accession:	P15144 (K69-K967)
Gene ID:	290
Molecular Weight:	135-140 kDa

PROPERTIES

AA Sequence

K A W N R Y R L P N	T L K P D S Y R V T	L R P Y L T P N D R	G L Y V F K G S S T
V R F T C K E A T D	V I I I H S K K L N	Y T L S Q G H R V V	L R G V G G S Q P P
D I D K T E L V E P	T E Y L V V H L K G	S L V K D S Q Y E M	D S E F E G E L A D
D L A G F Y R S E Y	M E G N V R K V V A	T T Q M Q A A D A R	K S F P C F D E P A
M K A E F N I T L I	H P K D L T A L S N	M L P K G P S T P L	P E D P N W N V T E
F H T T P K M S T Y	L L A F I V S E F D	Y V E K Q A S N G V	L I R I W A R P S A
I A A G H G D Y A L	N V T G P I L N F F	A G H Y D T P Y P L	P K S D Q I G L P D
F N A G A M E N W G	L V T Y R E N S L L	F D P L S S S S S N	K E R V V T V I A H
E L A H Q W F G N L	V T I E W W N D L W	L N E G F A S Y V E	Y L G A D Y A E P T
W N L K D L M V L N	D V Y R V M A V D A	L A S S H P L S T P	A S E I N T P A Q I
S E L F D A I S Y S	K G A S V L R M L S	S F L S E D V F K Q	G L A S Y L H T F A
Y Q N T I Y L N L W	D H L Q E A V N N R	S I Q L P T T V R D	I M N R W T L Q M G
F P V I T V D T S T	G T L S Q E H F L L	D P D S N V T R P S	E F N Y V W I V P I
T S I R D G R Q Q Q	D Y W L M D V R A Q	N D L F S T S G N E	W V L L N L N V T G
Y Y R V N Y D E E N	W R K I Q T Q L Q R	D H S A I P V I N R	A Q I I N D A F N L
A S A H K V P V T L	A L N N T L F L I E	E R Q Y M P W E A A	L S S L S Y F K L M
F D R S E V Y G P M	K N Y L K K Q V T P	L F I H F R N N T N	N W R E I P E N L M
D Q Y S E V N A I S	T A C S N G V P E C	E E M V S G L F K Q	W M E N P N N N P I
H P N L R S T V Y C	N A I A Q G G E E E	W D F A W E Q F R N	A T L V N E A D K L
R A A L A C S K E L	W I L N R Y L S Y T	L N P D L I R K Q D	A T S T I I S I T N
N V I G Q G L V W D	F V Q S N W K K L F	N D Y G G G S F S F	S N L I Q A V T R R
F S T E Y E L Q Q L	E Q F K K D N E E T	G F G S G T R A L E	Q A L E K T K A N I
K W V K E N K E V V	L Q W F T E N S K		

Biological Activity Measured by its ability to cleave the fluorogenic peptide substrate Ala-7-amido-4-methylcoumarin (Ala-AMC) and the specific activity is >2,500 pmoles/min/μg.

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.3. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.

Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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