

AMY2B Protein, Human (HEK293, His)

Cat. No.:	HY-P7500
Synonyms:	rHuAlpha-amylase 2B, His; AMY2B; Alpha-amylase 2B
Species:	Human
Source:	HEK293
Accession:	P19961 (Q16-L511)
Gene ID:	280
Molecular Weight:	50-60 kDa

PROPERTIES

AA Sequence

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

Biological Activity The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

Appearance Solution.

Formulation Supplied as a 0.2 µm filter solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution N/A

Storage & Stability Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping Shipping with dry ice.

DESCRIPTION

Background

Human alpha-amylases are mainly produced in the salivary gland and the pancreas. AMY2B is a third type of human alpha-amylase gene, which is expressed in a lung carcinoid tissue, and differs in nucleotide sequence from the two previously characterized human alpha -amylase genes coding for salivary and pancreatic isozymes, termed AMY1 and AMY2, respectively^[1].

REFERENCES

[1]. H Yokouchi, et al. Cloning and characterization of a third type of human alpha-amylase gene, AMY2B. Gene. 1990 Jun 15;90(2):281-6.

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

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