

Recombinant Human AMY2B Protein, Fc-tagged

Cat. No. AMY2B-294H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMY2B (NP_066188.1) (Met1-Leu511) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Leu511
Description	Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. Alpha-amylase is the major form of amylase found in humans and other mammals. Alpha-amylase hydrolyses alpha bonds of large, alpha-linked polysaccharides, such as starch and glycogen, yielding glucose and maltose. Amylases is widely expressed and is most prominent in pancreatic juice and saliva, each of which has its own isoform of human α -amylase. They behave differently on isoelectric f centigradeusing, and can also be separated in testing by using specific mon centigradelonal antibodies.
Predicted N Terminal	Gln 16
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human AMY2B consists 732 amino acids and predicts a molecular

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	mass of 82.4 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	AMY2B amylase, alpha 2B (pancreatic) [Homo sapiens]
Official Symbol	AMY2B
Synonyms	AMY2B; amylase, alpha 2B (pancreatic); AMY2, amylase, alpha 2B; pancreatic; alpha-amylase 2B; glycogenase; alpha-amylase carcinoid; carcinoid alpha-amylase; 1,4-alpha-D-glucan glucohydrolase 2B; AMY2;
Gene ID	280
mRNA Refseq	NM_020978
Protein Refseq	NP_066188
MIM	104660

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UniProt ID

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