

AMY2A Protein, Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P76724
Synonyms:	Pancreatic alpha-amylase; PA; 1,4-alpha-D-glucan glucanohydrolase
Species:	Rhesus Macaque
Source:	HEK293
Accession:	H9EX43 (M1-L511)
Gene ID:	712893
Molecular Weight:	Approximately 57.2 kDa.

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/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 (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	AMY2B is a hydrolytic enzyme secreted by the pancreas that can hydrolyze α -1,4-glycosidic bond, belonging to α -Members of the amylase family. AMY2B plays an important role in digesting dietary starch, and inhibiting AMY2B can lead to a decrease in postprandial blood sugar levels. Therefore, by regulating α -Amylase activity to control blood sugar level has therapeutic significance for diabetes, obesity and other diseases ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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