

## AMY2A Protein, Rhesus Macaque (HEK293, Fc)

Cat. No.:	HY-P76723
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 82.8 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 $\mu$ 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/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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 $\alpha$ -1,4-glycosidic bond, belonging to $\alpha$ -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 $\alpha$ -Amylase activity to control blood sugar level has therapeutic significance for diabetes, obesity and other diseases <sup>[1][2]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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