Recombinant Human beta Amylase/AMY2 Protein (His Tag)

Catalog Number: PKSH031980

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

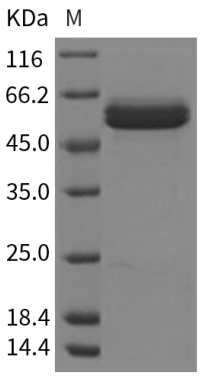
Description

Species	Human
Source	HEK293 Cells-derived Human beta Amylase/AMY2 protein Met 1-Leu511, with an C-terminal His
Calculated MW	57.3 kDa
Accession	NP_066188.1
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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 focusing; and can also be separated in testing by using specific monoclonal antibodies.

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