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Recombinant Human beta Amylase/AMY2 Protein (Fc Tag)

Catalog No. PKSH031979

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

Description

Synonyms Alpha-amylase 2B;1,4-alpha-D-glucan glucanohydrolase 2B;Carcinoid alpha-

amylase;HXA;AMY2;AMY3

Species Human

Expression Host HEK293 Cells
Sequence Met 1-Leu511
Accession NP_066188.1
Calculated Molecular Weight 82.4 kDa
Tag C-hFc

Bioactivity 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.

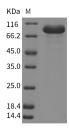
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

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

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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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