

Recombinant Human beta Amylase/AMY2 Protein (His Tag)

Catalog No. PKSH031980

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	Met1-Leu511
Accession	NP_066188.1
Mol_Mass	57.3 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg 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.
Reconstitution	Please refer to the printed manual for detailed information.

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.

SDS-PAGE

