

Recombinant Human beta Amylase/AMY2 Protein (His Tag)

Catalog No. PKSH033247

Description

Synonyms	Alpha-amylase 2B; 1;4-alpha-D-glucan glucohydrolase 2B; Carcinoid alpha-amylase; HXA; AMY2; AMY3
Species	Human
Expression_host	Human Cells
Sequence	Gln16-Leu511
Accession	P19961
Mol_Mass	56.9 kDa
AP_Mol_Mass	50-60 kDa
Tag	C-6His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at<-20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Reconstitution	Not Applicable

Background

Alpha-amylase 2B is an enzyme that in humans is encoded by the AMY2B gene. Alpha-amylase 2B is a secreted protein and belongs to the glycosyl hydrolase 13 family. It hydrolyzes 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the pancreas. Diseases associated with AMY2B include pancreatitis, and thyroiditis, and among its related super-pathways are Metabolic pathways and MPS IIIC - Sanfilippo syndrome C.

SDS-PAGE

