



Recombinant Protein Technical Manual  
Recombinant Human beta Amylase/AMY2 Protein  
(His Tag)  
RPES3168

### Product Data:

**Product SKU:** RPES3168

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P19961

### Protein Information:

**Molecular Mass:** 56.9 kDa

**AP Molecular Mass:** 50-60 kDa

**Tag:** C-6His

**Bio-activity:**

**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:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Alpha-amylase 2B; 1;4-alpha-D-glucan glucohydrolase 2B; Carcinoid alpha-amylase; HXA; AMY2; AMY3

## Immunogen Information:

**Sequence:** Gln16-Leu511

## 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.