



[Go to Product page](#)

Datasheet for ABIN1945439
AMY2B Protein (AA 16-511) (His tag)

Overview

Quantity:	50 µg
Target:	AMY2B
Protein Characteristics:	AA 16-511
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AMY2B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human α -Amylase 2B/AMY2B (C-6His)
Sequence:	QYSPNTQQGR TSIVHLFEWR WVDIALECER YLAPKGFGGV QVSPNENVA IHNPFRPWWE RYQPVSYKLC TRSGNEDEFR NMVTRCANNVG VRIYVDAVIN HMSGNAVSAG TSSTCGSYFN PGSRDFPAVP YSGWDFNDGK CKTGSGDIEN YNDATQVRDC RLVGLLDLAL EKDYVRSKIA EYMNHLIDIG VAGFRLDASK HMWPGDIKAI LDKLHNLNSN WFPAGSKPFI YQEVIDLGGE PIKSSDYFGN GRVTEFKYGA KLGTVIRKWN GEKMSYLKNW GEGWGFMPSD RALVFVDNHD NQRGHGAGGA SILTFWDARL YKMAVGFMLA HPYGFTRVMS SYRWPRQFQN GNDVNDWVGP PNNNGVIKEV TINPDTTTCGN DWVCEHRWRQ IRNMVNFRNV VDGQPFTNWY DNGSNQVAFG RGNRGFIVFN NDDWTFSLTL QTGLPAGTYC DVISGDKING NCTGIKIYVS DDGKAHFSIS NSAEDPFIAI HAESKLVDDH HHHH
Characteristics:	Recombinant Human Alpha-amylase 2B/1,4-alpha-D-glucan glucanohydrolase 2B/Carcinoid alpha-amylase is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 16-511) of Human AMY2B fused with a 6His tag at the

Product Details

C-terminus.

Purity: > 95 % as determined by reducing SDS-PAGE.

Sterility: 0.2 µm filtered

Endotoxin Level: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target: AMY2B

Alternative Name: AMY2B ([AMY2B Products](#))

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.

Molecular Weight: 56.9 kDa

UniProt: [P19961](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

Handling

Storage Comment: Store at < -20°C, stable for 6 months after receipt.
Please minimize freeze-thaw cycles.

Expiry Date: 6 months