

alpha-Amylase Active Protein | AMY2A active protein

a-Amylase, Human Pancreas

CATALOG # AAA11469	HOST Human Pancreas
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PRODUCT SYNONYMS

alpha-Amylase; a-Amylase; Human Pancreas; 1; 4-a-D-glucan glucanohydrolase; glycogenase; Human Pancreatic - Liquid - High Purity; AMY2A active protein

PRODUCT SPECIFICATIONS

Host	Human Pancreas
Form/Format	Clear, colorless to light yellow liquid 0.2 micron filtered solution in 100mM tris chloride, 150mM sodium chloride, and 1mM calcium chloride, pH 7.5 with 0.05% Proclin 300 as a preservative
Sequence Length	512
EC Number	3.2.1.1
Unit Definition	One unit will catalyze the hydrolysis of one micromole of 2-chloro-4-nitrophenyl-?-D-maltotrioside to yield 2-chloro-4-nitrophenol per minute at 37°C.
Protein	3.0 mg protein/mL ($E_{280nm}^{0.1\%} = 2.33$)
Activity	1,120 U/mL (Dimension Clinical Chemistry System)
Contaminants	Lipase: ≤0.1% GOT/AST: ≤0.01% ALP: ≤0.01% Protease: ≤0.01%
Specific Activity	370 U/mg protein
CAS Number	9000-90-2
Note	Use aseptic technique when handling this product. If small volume, centrifuge to ensure full recovery. Handle as a potentially hazardous substance.
Preparation and Storage	Store at 2-8°C. Do not freeze.

ADDITIONAL INFORMATION

Product Categories/Family for AMY2A active protein	Proteins; Antigens; Enzymes; Standards/controls; Native Proteins; Alpha-amylase
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19032295
NCBI GeneID	279
UniProt Accession #	P04746; Q9UBH3; B9EJG1
NCBI Official Full Name	alpha amylase
NCBI Official Synonym Full Names	amylase, alpha 2A (pancreatic)

NCBI Official Symbol	AMY2A
NCBI Official Synonym Symbols	PA; AMY2
NCBI Protein Information	pancreatic alpha-amylase; glycogenase; pancreatic amylase alpha 2A; 1,4-alpha-D-glucan glucanohydrolase
UniProt Protein Name	Pancreatic alpha-amylase
UniProt Gene Name	AMY2A
UniProt Synonym Gene Names	PA
UniProt Entry Name	AMYP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-pancreas-amy2a-active-protein/alpha-amylase/11469>