Recombinant Human AMY2A protein, His & T7-tagged

Cat. No. AMY2A-6978H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMY2A aa. (Asp188~Val432 (Accession # P04746)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp188~Val432
Description	This gene encodes a member of the alpha-amylase family of proteins. Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, catalyzing the first step in digestion of dietary starch and glycogen. This gene and several family members are present in a gene cluster on chromosome 1. This gene encodes an amylase isoenzyme produced by the pancreas.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.0.

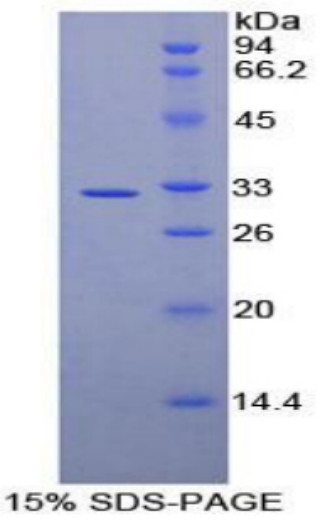
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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	AMY2A amylase, alpha 2A (pancreatic) [Homo sapiens (human)]
Official Symbol	AMY2A
Synonyms	AMY2A; amylase, alpha 2A (pancreatic); PA; AMY2; pancreatic alpha-amylase; 1,4-alpha-D-glucan glucanohydrolase; glycogenase; pancreatic amylase alpha 2A
Gene ID	279
mRNA Refseq	NM_000699.3
Protein Refseq	NP_000690.1
UniProt ID	P04746

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SDS-PAGE	 15% SDS-PAGE

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