

Recombinant Human AMY2B, His-tagged

Cat. No. AMY2B-9630H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMY2B protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-352a.a.
Description	Amylases are secreted proteins that hydrolyze 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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	AMY2B amylase, alpha 2B (pancreatic) [Homo sapiens]
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Official Symbol	AMY2B
Synonyms	AMY2B; amylase, alpha 2B (pancreatic); AMY2, amylase, alpha 2B; pancreatic; alpha-amylase 2B; glycogenase; alpha-amylase carcinoid; carcinoid alpha-amylase; 1,4-alpha-D-glucan glucanohydrolase 2B; AMY2;
Gene ID	280
mRNA Refseq	NM_020978
Protein Refseq	NP_066188
MIM	104660
UniProt ID	P19961
Chromosome Location	1p21
Pathway	Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate digestion and absorption, conserved biosystem; Digestion of dietary carbohydrate, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Pancreatic secretion, organism-specific biosystem;
Function	alpha-amylase activity; hydrolase activity, acting on glycosyl bonds; metal ion binding;

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