

Recombinant Full Length Human AMY1B Protein, GST-tagged

Cat. No. AMY1B-1030HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AMY1B full-length ORF (NP_001008219.1, 16 a.a. - 511 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	511 amino acids
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 salivary gland. [provided by RefSeq, Jul 2008]
Molecular Mass	81.84 kDa
AA Sequence	QYSSNTQQGR TSIVHLFEWR WVDIALECER YLAPKGFGGV QVSPPNENVA IHNPFRPWE RYQPVS YKLC TRSGNEDEFR NMVTRC NNVG VRIYVDAVIN HMC GNAV SAG TSSTCGSYFN PGS RD FPAVP YSGWDFNDGK CKTGSGDIEN YNDATQVRDC RLSGLLDLAL GKDYVRSKIA EYMNHLIDIG VAGFRIDASK HMWPGDIKAI LDKLHNLNSN WFPEGSKPFI YQEVIDLGGE PIKSSDYFGN GRVTEFKYGA KLGTVIRKWN GEKMSYLKNW GEGWGFMPSD RALVFVDNHD NQRGHGAGGA SILTFWDARL YKMAVGFMLA HPYGFTRVMS SYRWPRYFEN

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GKDVNDWVGP PNDNGVTKEV TINPDTTTCGN DWVCEHRWRQ IRNMVNFRNV
VDGQPFTNWX DNGSNQVAFG RGNRGFIVEN NDDWTFSLTL QTGLPAGTYC
DVISGDKING NCTGIKIYVS DDGKAHFSIS NSAEDPFIAI HAESKL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

AMY1B amylase, alpha 1B (salivary) [Homo sapiens]

Official Symbol

AMY1B

Synonyms

AMY1B; amylase, alpha 1B (salivary); AMY1, amylase, alpha 1B; salivary; alpha-amylase 1; glycogenase; salivary alpha-amylase; salivary amylase alpha 1B; amylase, salivary, alpha-1B; 1,4-alpha-D-glucan glucanohydrolase 1; AMY1; AMY1A; AMY1C; MGC177995

Gene ID

277

mRNA Refseq

NM_001008218

Protein Refseq

NP_001008219

MIM

104701

UniProt ID

P04745

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