

Recombinant Full Length Human AMY2A Protein, GST-tagged

Cat. No. AMY2A-1031HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AMY2A full-length ORF (NP_000690.1, 1 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	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. [provided by RefSeq, Jan 2015]
Molecular Mass	84.1 kDa
AA Sequence	MKFFLLLFIT GFCWAQYSPN TQQGRTSIVH LFEWRWVDIA LECERYLAPK GFGGVQVSPN NENVAIYNPF RPWWERYQPV SYKLCTRSGN EDEFNMVTR CNNVGVRIVV DAVINHMCGN AVSAGTSSTC GSYFNPGSRD FPAVPYSGWD FNDGKCKTGS GDIENYNDAT QVRDCRLTGL LDLALEKDYV RSKIAEYMNH LIDIGVAGFR LDASKHMWPG DIKAILDKLH NLNSNWFPAG SKPFIYQEV DLGGEPIKSS DYFGNGRVTE FKYGAKLGTV IRKWNGEKMS YLKNWGEGWG FVPSDRALVF VDNHDNQGRH GAGGASILTF WDARLYKMAV GFMLAHPYGF

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TRVMSSYRWP RQFQNGNDVN DWVGPPNNG VIKVETINPD TTCGNDWVCE
 HRWRQIRNMV IFRNVVDGQP FTNWDYNGSN QVAFGRGNRG FIVFNDDWS
 FSLTLQTGLP AGTYCDVISG DKINGNCTGI KIYVSDDGKA HFSISNSAED
 PFIAIHAESK L

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

AMY2A amylase, alpha 2A (pancreatic) [Homo sapiens]

Official Symbol

AMY2A

Synonyms

AMY2A; amylase, alpha 2A (pancreatic); AMY2, amylase, alpha 2A; pancreatic;
 pancreatic alpha-amylase; glycogenase; alpha-amylase; found in the pancreas;
 pancreatic amylase 2A; pancreatic amylase alpha 2A; amylase, pancreatic, alpha-2A;
 1,4-alpha-D-glucan glucanohydrolase; PA; AMY2; AMY2B

Gene ID

279

mRNA Refseq

NM_000699

Protein Refseq

NP_000690

MIM

104650

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UniProt ID

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