

Recombinant Human AMY2A protein, GST-tagged

Cat. No. AMY2A-535H **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	Wheat Germ
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	MKFFLLLTIGFCWAQYSPNTQQGRTSIVHLFEWRWVDIALECERYLAPKGFGGVQ VSPPNENVAIYNPFRPWWERYQPVS YKLCTRSGNEDEFNMVTRCNNVGVRIYVD AVINHMCGNAVSAGTSSTCGSYFNPGSRDFPAVPYSGWDFNDGKCKTGSGDIENY NDATQVRDCRLTGLLDLALEKD YVRSKIAEYMNHLIDIGVAGFRLDASKHMPGDIK AILDKLHNLNSNWFPAGSKPFIYQEVIDLGGEPIKSSDYFGNGRVTEFKYGAKLGTVI RKWNGEKMSYLKNWGEGWGFVPSDRALVFVDNHDNQRGHGAGGASILTFWDARL YKMAVGFM LAHPYGFTRVMSSYRWPRQFQNGNDVNDWVGPPNNNGVIKEVTINP DTTCGNDWVCEHRWRQIRNMVIFRNVDGQPFTNWYDNGSNQVAFGRGNRGFIV

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	FNNDWSFSLTLQTGLPAGTYCDVISGDKINGNCTGIKIYVSDDGKAHFSISNSAEDP FIAIHAESKL
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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

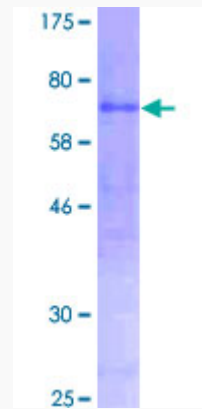
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UniProt ID

P04746



12.5% SDS-PAGE Stained with Coomassie Blue.

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