

Recombinant Human AMY1B protein, GST-tagged

Cat. No. AMY1B-534H **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	Wheat Germ
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	QYSSNTQQGRTSIVHLFEWRWVDIALECERYLAPKGFGGVQVSPPNENVIAHNPFRR PWWERYQPVS YKLCTRSGNEDEFNMVTRC NNVGVRIYVDAVINHMC GNAVSAGT SSTCGSYFNPGSRDFPAVPYSGWDFNDGKCKTGSGDIENYNDATQVRDCRLSGLL DLALGKDYVRSKIAEYMNHLIDIGVAGFRIDASKH MWPGDIKAILDKLHNLNSNWFPE GSKPFIYQEVIDLGGEPIKSSDYFGNGRVTEFKYGAKLGT VIRKWN GEKMSYLKNW GEGWGFMPSDRALVFVDNHDNQRGHGAGGASILTFWDARLYKMAVGFM LAHPYG FTRVMSSYRWPRYFENGKDVNDWVGPPNDNGVTKEVTINPD TTCGNDWVCEHRW RQIRNMVNFRNVVDGQPFTNWDNGSNQVAFGRGNRGFIVFNDDWTFSLTLQTG

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LPAGTYCDVISGDKINGNCTGIKIYVSDDGKAHFSISNSAEDPFIAIHAESKL

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

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

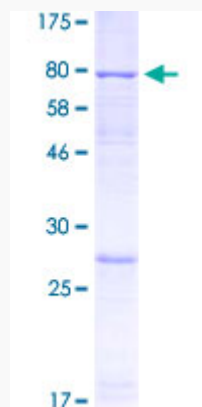
UniProt ID

P04745

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12.5% SDS-PAGE Stained with Coomassie Blue

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