

Recombinant Human AMY1A protein, GST-tagged

Cat. No. AMY1A-533H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AMY1A partial ORF (NP_001008222, 172 a.a. - 245 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. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]
Molecular Mass	33.88 kDa
AA Sequence	VRDCRLSGLLDLALGKDYVRSKIAEYMNHLIDIGVAGFRIDASKHMWPGDIKAILDKL HNLNSNWFPEGSKPFI
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.

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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 [AMY1A amylase, alpha 1A \(salivary\) \[Homo sapiens \]](#)

Official Symbol [AMY1A](#)

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

Gene ID [276](#)

mRNA Refseq [NM_001008221](#)

Protein Refseq [NP_001008222](#)

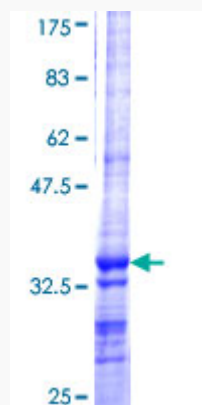
MIM [104700](#)

UniProt ID [P04745](#)

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12.5% SDS-PAGE Stained with Coomassie Blue.

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