

# Recombinant Human AMY2A protein(Met1-Leu511), His-tagged

**Cat. No.** AMY2A-8569H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human AMY2A (P04746) (Met1-Leu511) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
<b>Source</b>	HEK293
<b>Species</b>	Human
<b>Tag</b>	His
<b>Protein length</b>	Met1-Leu511
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human AMY2A consists of 507 amino acids and predicts a molecular mass of 57.3 KDa. It migrates as an approximately 53-58 KDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 85 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	AMY2A amylase, alpha 2A (pancreatic) [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	AMY2A
<b>Synonyms</b>	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;
<b>Gene ID</b>	279
<b>mRNA Refseq</b>	NM_000699
<b>Protein Refseq</b>	NP_000690
<b>MIM</b>	104650
<b>UniProt ID</b>	P04746

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