

# Human Alpha amylase / AMY2A (His Tag) recombinant protein



Catalog Number: 500815

## General Information

### Gene Name Synonym

1,4-alpha-D-glucan glucohydrolase

### Protein Construction

A DNA sequence encoding the human AMY2A (P04746) (Met1-Leu511) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gln 16

### Molecular Mass

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.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

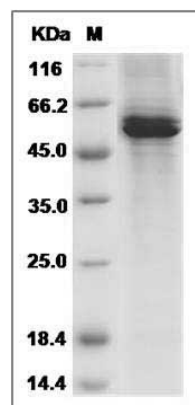
### Storage

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.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human AMY2A / Alpha-amylase Protein(His Tag)  
SDS-PAGE