

**Recombinant Human AMY2A / Alpha-amylase Protein (His tag)**

**Cat.NO.: TP08049**

3th Edition

**Synonyms:**AMY2;AMY2A;PA

**Description:**Alpha-amylase is the major form of amylase found in humans and other mammals. 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. Alpha-amylase hydrolyses alpha bonds of large, alpha-linked polysaccharides, such as starch and glycogen, yielding glucose and maltose. Amylases is widely expressed and is most prominent in pancreatic juice and saliva, each of which has its own isoform of human  $\alpha$ -amylase. They behave differently on isoelectric focusing, and can also be separated in testing by using specific monoclonal antibodies.

**Form:**PBS

**Molecular Weight:**57.3 kDa

**Sequences:**Met 1-Leu511

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.