

Native Human AMY1B

Cat. No. AMY1B-31376TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native mature Salivary Amylase protein purified from Human saliva.
Species	Human
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.
Biological activity	Activity:207 Units/mg powder @ 37°C Specific Activity:518 Units/mg Protein. One unit will catalyze the hydrolysis of one micromole of malto pentaose, which through coupled reactions results in the formation of 5 micromoles of glucose-6-phosphate per minute
Form	Lyophilised:Reconstitute with Tris saline or other buffer to desired concentration. Lyophilized from 150mM Sodium chloride, 20mM Tris, 1mM Calcium chloride, pH 7.2. Protein:0.40mg Protein/mg powder (Coomassie).
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20mM Tris, 150mM Sodium chloride, 1mM Calcium chloride, pH 7.2
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Full Length
Full L.

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;

Gene ID

277

mRNA Refseq

NM_001008218

Protein Refseq

NP_001008219

MIM

104701

Uniprot ID

P04745

**Chromosome
Location**

1p21

Pathway

Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate digestion and absorption, conserved biosystem; Digestion of dietary carbohydrate, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem;

Function

catalytic activity; cation binding;

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