

Native Human Amylase, Alpha 1A (salivary)

Cat. No. AMY1A-5313H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human AMY1A was expressed in Human Saliva.
Species	Human
Source	Human Saliva
Description	AMY1A 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 (AMY1) or pancreas (AMY2). AMY1A is the isoenzyme produced by the salivary gland.
Form	Liquid in a buffer containing 10 mM Tris-Cl pH 7.5.
Biological Activity	Typically >2000 units/ml
Concentration	Typically >5 mg protein/ml
Storage	Store at 2-8°C.
Pathways	Carbohydrate digestion and absorption; Digestion of dietary carbohydrate; Metabolic pathways; Metabolism of carbohydrates; Salivary secretion; Starch and sucrose metabolism

GENE INFORMATION

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Gene Name	AMY1A amylase, alpha 1A(salivary) [Homo sapiens]
Official Symbol	AMY1A
Synonyms	AMY1A; amylase, alpha 1A(salivary); AMY1; AMY1B; AMY1C; alpha-amylase 1; glycogenase; OTTHUMP00000012688; salivary alpha-amylase; salivary amylase alpha 1A; amylase, salivary, alpha-1A; 1,4-alpha-D-glucan glucanohydrolase 1; amylase, alpha 1A; salivary; EC 3.2.1.1
Gene ID	276
mRNA Refseq	NM_001008221
Protein Refseq	NP_001008222
MIM	104700
UniProt ID	P04745
Chromosome Location	1p21
PDBrendering based on 1b2y.	