

Recombinant Human AMY1A protein, His-tagged

Cat. No. AMY1A-7027H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AMY1A aa. (Ala15~Leu511 (Accession # P04745)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala15~Leu511
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. Alternative splicing results in multiple transcript variants encoding the same protein.
Form	Freeze-dried powder
Molecular Mass	43kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.5.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

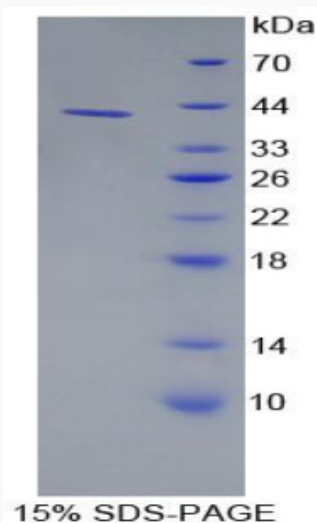
Gene Name	AMY1A amylase, alpha 1A (salivary) [Homo sapiens (human)]
Official Symbol	AMY1A
Synonyms	AMY1A; amylase, alpha 1A (salivary); AMY1; alpha-amylase 1; 1,4-alpha-D-glucan glucanohydrolase 1; amylase, salivary, alpha-1A; glycogenase; salivary alpha-amylase; salivary amylase alpha 1A
Gene ID	276
mRNA Refseq	NM_001008221.1
Protein Refseq	NP_001008222.1
UniProt ID	P04745

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SDS-PAGE



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