

## Product datasheet for BA1037

### Alpha-amylase 2A / AMY2A Human Protein

#### Product data:

Product Type:	Native Proteins
Description:	Alpha-amylase 2A / AMY2A human protein, 0.1 kU
Species:	Human
Protein Source:	Pancreas
Concentration:	lot specific
Buffer:	Presentation State: Purified State: Liquid purified fraction Buffer System: 100 mM Tris-HCl, 150 mM Sodium Chloride, 1 mM Calcium Chloride, pH 7.5
Bioactivity:	Biological: 306 Units/ml at 37°C measured on 'Dimension'. One unit will catalyze the hydrolysis of one micromole of 2-chloro-4-nitrophenyl- $\alpha$ -D-maltotriose per minute at 37 °C. Specific: 231 Units/mg protein.
Preparation:	Liquid purified fraction
Protein Description:	Amylase alpha (Human Pancreas). Contaminants GOT < 0.006% ALP < 0.006% Lipase < 0.001% Protease < 0.0002%
Note:	Caution: All human source materials have tested negative for HIV 1, HIV 2, HCV antibodies Syphilis, HIV-1 antigen and HBSAg. No test guarantees a product to be non- infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.
Storage:	Store the antigen at 2-8°C .
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_000690</a>
Locus ID:	279
Cytogenetics:	1p21.1
Synonyms:	AMY2; PA



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<b>Summary:</b>	This gene encodes a member of the alpha-amylase family of proteins. Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, catalyzing the first step in digestion of dietary starch and glycogen. This gene and several family members are present in a gene cluster on chromosome 1. This gene encodes an amylase isoenzyme produced by the pancreas. [provided by RefSeq, Jan 2015]
<b>Protein Families:</b>	Secreted Protein
<b>Protein Pathways:</b>	Metabolic pathways, Starch and sucrose metabolism