

Product datasheet for **TP762109**

Pancreatic alpha amylase (AMY2A) (NM_000699) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human amylase, alpha 2A (pancreatic) (AMY2A),Asn135-Asn408, with N-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Asn135-Asn408) of AMY2A
Tag:	N-His
Predicted MW:	31 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000690
Locus ID:	279
UniProt ID:	P04746 , Q53F26
RefSeq Size:	1660
Cytogenetics:	1p21.1
RefSeq ORF:	1533
Synonyms:	AMY2; PA



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Summary:

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]

Protein Families:

Secreted Protein

Protein Pathways:

Metabolic pathways, Starch and sucrose metabolism

Product images: