

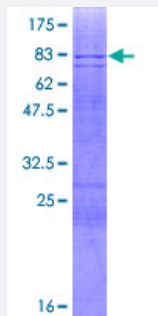
Full-Length

AMY2B (Human) Recombinant Protein (P02)

Catalog # H00000280-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AMY2B full-length ORF (NP_066188.1, 1 a.a. - 511 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKFFLLLTIGFCWAQYSPNTQQGRTSMHLFEWRWVDIALECERYLAPKGFGGVQVSPNENVAI
HNPFRPWVERYQPVSYKLCITRSGNEDEFNMVTRCANNVGRIYDAVINHMSGNAVSAAGTSSTC
GSYFNPGRDFPAVPYSGWDFNDGKCKTGSGDIENYNDATQVRDCRLVGLLDLALEKDYVRSKI
AEYMNHLIDIGVAGFRLDASKHMWPGDIKAILDKLHNLNSNWFPAGSKPFIYQEVIDLGGEPIKSSD
YFGNGRVTEFKYGAKLGTVIRKWNGEKMSYLNWGEWGFMPSDRALVFVDNHDNQRGHGAG
GASILTFWDARLYKMAVGFMALHPYGFTRVMSSYRWPRQFQNGNDVNDWVGPPNNNGVIKEVTI
NPD TTCGNDWVCEHRWRQIRNMV/NFRNVVDGQPFTNWDNGSNQVAFGRGNRGFVFNDDW
TFSLTLQTGLPAGTYCDVISGDKINGNCTGIKIYVSDDGKAHFSISNSAEDPFIAHAESKL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.1

Interspecies Antigen Sequence

Mouse (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AMY2B

Entrez GeneID	280
GeneBank Accession#	NM_020978.3
Protein Accession#	NP_066188.1
Gene Name	AMY2B
Gene Alias	AMY2
Gene Description	amylase, alpha 2B (pancreatic)
Omim ID	104660
Gene Ontology	Hyperlink
Gene Summary	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 pancreas. [provided by RefSeq]
Other Designations	1,4-alpha-D-glucan glucanohydrolase OTTHUMP00000012696 alpha-amylase carcinoid amylase, pancreatic, alpha-2B glycogenase

Pathway

- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)