

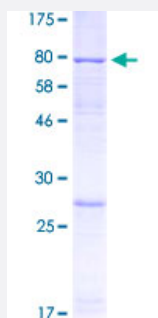
Full-Length

AMY1B (Human) Recombinant Protein (P02)

Catalog # H00000277-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AMY1B full-length ORF (NP_001008219.1, 16 a.a. - 511 a.a.) recombinant protein with GST tag at N-terminal.

Sequence

QYSSNTQQGRTSIVHLFEWRWVDIALECERYLAPKGFGGVQVSPPNENVAIHNPFRPWWERYQP
VSYKLCSTRSGNEDEFNMVTRCNNVGVRIVDAVINHMCNAVSAGTSSTCGSYFNPGSRDFPA
VPYSGWDFNDGKCKTGSGDIENYNDATQVRDCRLSGLLDLALGKDYVRSKIAEYMNHLIDIGVAG
FRIDASKHMWPGDIKAILDKLHNLNSNWFPEGSKPFYQEVIDLGGEPIKSSDYFGNGRVTEFKYGA
KLGTVIRKWNGEKMSYLKNWGEWGFMPSDRALVFVDNHDNQRGHGAGGASILTFWDARLYKM
AVGFMLAHPYGFTRVMSSYRWPRYFENGKDVNDWVGPPNDNGVTKEVTINPDTTTCGNDWVCE
HRWRQIRNMVNFRNVVDGQPFTNWDNGSNQVAFGRGNRGFMFNDDWTFSLTLQTGLPAGTY
CDVISGDKINGNCTGKIYVSDDGKAHFSISNSAEDPFIAIHAESKL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.84

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 — AMY1B

Entrez GeneID[277](#)**GeneBank Accession#**[NM_001008218.1](#)**Protein Accession#**[NP_001008219.1](#)**Gene Name**

AMY1B

Gene Alias

AMY1

Gene Description

amylase, alpha 1B (salivary)

Omim ID[104701](#)**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 salivary gland. [provided by RefSeq]

Other Designations

1,4-alpha-D-glucan glucanohydrolase|OTTHUMP00000012691|amylase, salivary, alpha-1B|glycogenase|salivary amylase alpha 1B

Pathway

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