

Product datasheet for TP312793L

Salivary alpha amylase (AMY1B) (NM_001008218) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human amylase, alpha 1B (salivary) (AMY1B), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC212793 representing NM_001008218

Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MKLFWLLFTIGFCWAQYSSNTQQGRTSIVHLFEWRWVDIALECERYLAPKGFGGVQVSPNENVAIHNPFRPWWERYQPVSYLCTRSGNEDEFNRMVTRCANNVGVRIYVDAVINHMCGNAVSAGTSSTCGSYFNPGSRD
FPAVPYSGWDFNDGKCKTGSGDIENYNDATQVRDCRLSGLLDLALGKDYVRSKIAEYMNHLIDIGVAGFR
IDASKHMPGDIKAILDKLHNLNSNWFPEGSKPFIYQEVIDLGGEPIKSSDYFNGRVTETFKYGAKLGTV
IRKWNGEKMSYLKNWGEWGFMPSPDRALVFVDNHDNQRGHGAGGASILTFWDARLYKMAVGFMLAHPYGF
TRVMSSYRWPRYFENGKDVNDWVGPPNDNGVTKEVTINPDTCGNDWVCEHRWRQIRNMVNFNVDGQP
FTNWDYDNGSNQVAFGRGNRGFVFNDDWTFSLTLQTGLPAGTYCDVISGDKINGNCTGIKIYVSDDGKA
HFSISNSAEDPFIAIHAESKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 55.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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.



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RefSeq: [NP_001008219](#)

Locus ID: 277

UniProt ID: [P04745](#)

RefSeq Size: 1838

Cytogenetics: 1p21.1

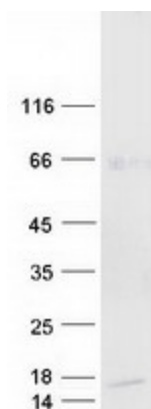
RefSeq ORF: 1533

Synonyms: AMY1

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, Jul 2008]

Protein Pathways: Metabolic pathways, Starch and sucrose metabolism

Product images:



Coomassie blue staining of purified AMY1B protein (Cat# [TP312793]). The protein was produced from HEK293T cells transfected with AMY1B cDNA clone (Cat# [RC212793]) using MegaTran 2.0 (Cat# [TT210002]).