Recombinant Human Alpha-amylase 2B (AMY2B)

Product Code	CSB-BP001690HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P19961
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	QYSPN TQQGRTSIVH LFEWRWVDIA LECERYLAPK GFGGVQVSPP NENVAIHNPF RPWWERYQPV SYKLCTRSGN EDEFRNMVTR CNNVGVRIYV DAVINHMSGN AVSAGTSSTC GSYFNPGSRD FPAVPYSGWD FNDGKCKTGS GDIENYNDAT QVRDCRLVGL LDLALEKDYV RSKIAEYMNH LIDIGVAGFR LDASKHMWPG DIKAILDKLH NLNSNWFPAG SKPFIYQEVI DLGGEPIKSS DYFGNGRVTE FKYGAKLGTV IRKWNGEKMS YLKNWGEGWG FMPSDRALVF VDNHDNQRGH GAGGASILTF WDARLYKMAV GFMLAHPYGF TRVMSSYRWP RQFQNGNDVN DWVGPPNNNG VIKEVTINPD TTCGNDWVCE HRWRQIRNMV NFRNVVDGQP FTNWYDNGSN QVAFGRGNRG FIVFNNDDWT FSLTLQTGLP AGTYCDVISG DKINGNCTGI KIYVSDDGKA HFSISNSAED PFIAIHAESK L
Source	Baculovirus
Target Names	AMY2B
Protein Names	Recommended name: Alpha-amylase 2B EC= 3.2.1.1 Alternative name(s): 1,4-alpha-D-glucan glucanohydrolase 2B Carcinoid alpha-amylase
Expression Region	16-511
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.