



Recombinant Human Pancreatic alpha-amylase (AMY2A)

Product Code	CSB-MP001689HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P04746
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p>QYSPN TQQGRTSIVH LFEWRWVDIA LECERYLAPK GFGGVQVSP NENVAIYNPF RPWWERYQPV SYKLCTRSGN EDEFNRNMVTR CNNVGVRIYV DAVINHMCNG AVSAGTSSTC GSYFNPGSRD FPAVPYSGWD FNDGKCKTGS GDIENYNDAT QVRDCRLTGL LDLALEKDYV RSKIAEYMNH LIDIGVAGFR LDASKHMWPG DIKAILDKLH NLNSNWFPAG SKPFIYQEVI DLGGEPIKSS DYFGNGRVTE FKYGAKLGTV IRKWNGEKMS YLKNWGEGWG FVPSDRALVF VDNHDNQRGH GAGGASILTF WDARLYKMAV GFMLAHPYGF TRVMSSYRWP RQFQNGNDVN DWVGGPPNNG VIKEVTINPD TTCGNDWVCE HRWRQIRNMV IFRNVVDGQP FTNWDNGSN QVAFGRGNRG FIVFNDDWS FSLTLQTGLP AGTYCDVISG DKINGNCTGI KIYVSDDGKA HFSISNSAED PFIAIHAESK L</p>
Source	Mammalian cell
Target Names	AMY2A
Protein Names	Recommended name: Pancreatic alpha-amylase Short name= PA EC= 3.2.1.1 Alternative name(s): 1,4-alpha-D-glucan glucanohydrolase
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.