



Recombinant Clostridium botulinum ATP synthase subunit alpha (atpA), partial

Product Code	CSB-YP002344CWW
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	A7G9Q7
Product Type	Recombinant Protein
Immunogen Species	Clostridium botulinum (strain Langeland / NCTC 10281 / Type F)
Purity	>85% (SDS-PAGE)
Source	Yeast
Target Names	atpA
Protein Names	Recommended name: ATP synthase subunit alpha EC= 3.6.3.14 Alternative name(s): ATP synthase F1 sector subunit alpha F-ATPase subunit alpha
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	Partial
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.