Recombinant Rat ATP synthase subunit s, mitochondrial (Atp5s)

Product Code	CSB-EP733421RA-B
Abbreviation	Atp5s
Storage	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.
Uniprot No.	Q5XIM4
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	FWEWL NTVFNKVDYE RIKDVGPDRA ASEWLLRCGA KVRYCGHQKW LQDYNKLPGG SVDRYKIQAI DATDSCIMDI GFDHLVGLEH VERITLCRCH YIEDNCLQRL SQLENLRKSL LELEIIACGN VTDNGVIALR HFKNLKYLFL SDLPGIKDKE YLAEVFTKAL PSLELKLNLK
Source	E.coli
Target Names	Atp5s
Protein Names	Recommended name: ATP synthase subunit s, mitochondrial Alternative name(s): ATP synthase-coupling factor B Mitochondrial ATP synthase regulatory component factor B
Expression Region	26-200
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	This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. This gene encodes the subunit s, also known as factor B, of the proton channel. This subunit is necessary for the energy transduction activity of the ATP synthase complexes. Alternatively spliced transcript variants encoding different isoforms have been identified.
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.