Recombinant Mouse Cytochrome c oxidase subunit 4 isoform 1, mitochondrial (Cox4i1)

Product Code	CSB-EP005832MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P19783
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	AHGSVVKS EDYAFPTYAD RRDYPLPDVA HVTMLSASQK ALKEKEKADW SSLSRDEKVQ LYRIQFNESF AEMNRGTNEW KTVVGMAMFF IGFTALVLIW EKSYVYGPIP HTFDRDWVAM QTKRMLDMKA NPIQGFSAKW DYDKNEWKK
Source	E.coli
Target Names	Cox4i1
Protein Names	Recommended name: Cytochrome c oxidase subunit 4 isoform 1, mitochondrial Alternative name(s): Cytochrome c oxidase polypeptide IV Cytochrome c oxidase subunit IV isoform 1 Short name= COX IV-1
Expression Region	23-169
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	Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3 of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it.
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.