



Recombinant Human Iron-sulfur cluster assembly enzyme ISCU, mitochondrial (ISCU)

Product Code	CSB-EP887955HU-B
Abbreviation	ISCU
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.	Q9H1K1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	YHKKVV DHYENPRNVG SLDKTSKNVG TGLVGAPACG DVMKLQIQVD EKGKIVDARF KTFGCGSAIA SSSLATEWVK GKTVEEALTI KNTDIAKELC LPPVKLHCSM LAEDAIIKAAL ADYKLLKQEPK KGAEAKK
Source	E.coli
Target Names	ISCU
Protein Names	Recommended name: Iron-sulfur cluster assembly enzyme ISCU, mitochondrial Alternative name(s): NifU-like N-terminal domain-containing protein NifU-like protein
Expression Region	35-167
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	Iron-sulfur (Fe-S) clusters are necessary for several mitochondrial enzymes and other subcellular compartment proteins. They contain sulfur and iron, and are created via several steps that include cysteine desulfurases, iron donors, chaperones, and scaffold proteins. This gene encodes the two isomeric forms, ISCU1 and ISCU2, of the Fe-S cluster scaffold protein. Mutations in this gene have been found in patients with myopathy with severe exercise intolerance and myoglobinuria.
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,



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