



# Recombinant Human Sulfite oxidase, mitochondrial (SUOX)

<b>Product Code</b>	CSB-EP022954HU-B
<b>Storage</b>	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.
<b>Uniprot No.</b>	P51687
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ESTHIYTKEEVSSHTSPETGIWVTLGSEVFDVTEFVDLHPGGPSKLMMLAAGGP LEPFWALYAVHNQSHVRELLAQYKIGELNPEDKVAPT VETS DPYADDPVRHPA LKVNSQRPFNAEPPPELLTENYITPNPIFFTRNHLPVPNLDPD TYRLHVVGAPG GQSLSLSLDDLHNFPRYEITVTLQCAGNRRSEMTQVKEVKGLEWRTGAISTAR WAGARLCDVLAQAGHQLCETE AHVCFEGLDSDPTGTAYGASIP LARAMDPEA EVLLAYEMNGQPLPRDHGFPVRVVVPGVVGARHV KWLGRVSVQPEESYSHW QRRDYKGFSPVDWETVDFDSAPSIQELPVQSAITEPRDGETVESGEVTIKGY AWSGGGRAVIRVDVSLDGGLTWQVAKLDGEEQRPRKAWAWRLWQLKAPVP AGQKELNIVCKAVDDGYNVQPDTVAPIWNLRGVL SNAWHRVHVYVSP
<b>Research Area</b>	Metabolism
<b>Source</b>	E.coli
<b>Target Names</b>	SUOX
<b>Protein Names</b>	Recommended name: Sulfite oxidase, mitochondrial EC= 1.8.3.1
<b>Expression Region</b>	80-545aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	Sulfite oxidase is a homodimeric protein localized to the intermembrane space of mitochondria. Each subunit contains a heme domain and a molybdopterin-binding domain. The enzyme catalyzes the oxidation of sulfite to sulfate, the final reaction in the oxidative degradation of the sulfur amino acids cysteine and methionine. Sulfite oxidase deficiency results in neurological abnormalities which are often fatal at an early age. Alternative splicing results in multiple transcript variants encoding identical proteins.
<b>Reconstitution</b>	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.

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