

Recombinant Human SUOX Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SUOX-6203H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SUOX MS Standard C13 and N15-labeled recombinant protein (NP_000447) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	60.3 kDa
AA Sequence	MLLLHRAVVLRLQQACRLKSIPSRICIQACSTNDSFQPQRPSLTFSGDNSSTQGWRV MGTLGLGAVLAYQDHRCAAQESTHIYTKKEEVSSHTSPETGIWVTLGSEVFDVTEF VDLHPGGPSKMLAAGGPLEPFWALYAVHNQSHVRELLAQYKIGELNPEDKVAPTV ETSDPYADDPVRHPALKVNSQRPFNAEPPPELLTENYITPNPIFFTRNHLVPVNLDPD TYRLHVVGAPGGQSLSLSLDDLHNFPRYEITVTLQCAGNRRSEMTQVKEVKGLEWR TGAISTARWAGARLCDVLAQAGHQLCETEAHVCFEGLDSDPTGTAYGASIPLARAM

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DPEAEVLLAYEMNGQPLPRDHGFPVRVVVPGVVGARHVKWLGRVSVQPEESYSH
WQRRDYKGFSPVDWETVDFDSAPSIQELPVQSAITEPRDGETVESGEVTIKGYAW
SGGGRAVIRVDVSLDGGLTWQVAKLDGEEQRPRKAWAWRLWQLKAPVPAGQKEL
NIVCKAVDDGYNVQPDTVAPIWNLRGVLSNAWHRVHVYVSPTRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SUOX sulfite oxidase [Homo sapiens (human)]

Official Symbol SUOX

Synonyms SUOX; sulfite oxidase; sulfite oxidase, mitochondrial;

Gene ID 6821

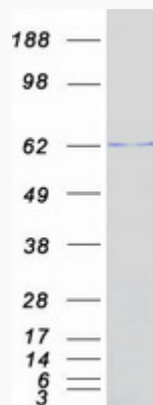
mRNA Refseq NM_000456

Protein Refseq NP_000447

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MIM 606887**UniProt ID** P51687**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA