

Product datasheet for PH309066

SUOX (NM_000456) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SUOX MS Standard C13 and N15-labeled recombinant protein (NP_000447)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209066
Predicted MW:	60.3 kDa
Protein Sequence:	>RC209066 protein sequence Red=Cloning site Green=Tags(s)

MLLLHRAVVLRLQQACRLKSIKSRICIQACSTNDSFQPQRPSLTFSGDNSSTQGWRVMGTLLGLGAVLAY
QDHCRAAQESTHIYTKKEEVSSHTSPETGIWVTLGSEVFDVTEFVDLHPGGPSKLMMLAAGGPLEPFWALY
AVHNQSHVRELLAQYKIGELNPEDKVAPTIVTSDPYADDPVRRHPALKVNSQRPFNAEPPPELLTENYITP
NPIFFTRNHLVVPNLDPDTPYRLHVVGAPGGQSLSLSLDDLHNFPRIEITVTLQCAGNRRSEMTQVKEVKG
LEWRTGAISTARWAGARLCDVLAQAGHQLCETEAHVCFEGLSDPTGTAYGASIPARAMDPEAEVLLAY
EMNGQPLPRDHGFPVRRVVPVGVGARHVKWLGRVSVQPEESYSHWQRRDYKGFSPSVDWETVDFDSAPSI
QELPVQSAITEPRDGETVESGEVTIKGYAWSGGGRAVIRVDVSLDGGLTWQVAKLDGEEQRPRKAWAWRL
WQLKAPVPAGQKELNIVCKAVDDGYNVQPDTPAPIWNLRGVL SNAWHRVHVYVSP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000447</u>
RefSeq Size:	2564
RefSeq ORF:	1635



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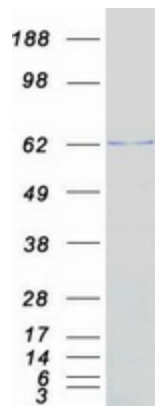
Locus ID: 6821
UniProt ID: [P51687](#), [A0A024RB79](#)
Cytogenetics: 12q13.2

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Sulfur metabolism

Product images:



Coomassie blue staining of purified SUOX protein (Cat# [TP309066]). The protein was produced from HEK293T cells transfected with SUOX cDNA clone (Cat# [RC209066]) using MegaTran 2.0 (Cat# [TT210002]).