

Product datasheet for **TP309066M**

SUOX (NM_000456) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human sulfite oxidase (SUOX), nuclear gene encoding mitochondrial protein, transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC209066 protein sequence
Red=Cloning site **Green**=Tags(s)

MLLLHRAVLRRLQQACRLKSIPSRICIQACSTNDSFQPQRPSLTFSGDNSSTQGWRVMGTLGLGAVLAY
QDHRCRAAQESTHIYKKEEVSSHTSPETGIWVTLGSEVFDVTEFVDLHPGGPSKMLAAGGPPEPFWALY
AVHNQSHVRELLAQYKIGELNPEDKVAPTIVETSOPYADDPVRHPALKVNSQRPFNAEPPPELLTENYITP
NPIFFTRNHLVPNLDPTYRLHVVGAPGGQSLSLDDLHNFPRYEITVTLQCAGNRRSEMTQVKEVKG
LEWRTGAISTARWAGARLCDVLAQAGHQLCETEAHVCFEGLDSDPTGTAYGASIPARAMDPEAEVLLAY
EMNGQPLPRDHGFPVRVWPGVVGARHVKWLGRVSVQPEESYSHWQRDRDYKGFSPVDWETVDFDSAPSI
QELPVQSAITEPRDGETVESGEVTIKGYAWSGGGRAVIRVDVSLDGGGLTWQVAKLDGEEQRPRKAWAWRL
WQLKAPVPAGQKELNIVCKAVDDGYNVQPDTVAPIWNLRGVLSNAWHRVHVYVSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 60.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000447
Locus ID:	6821
UniProt ID:	P51687 , A0A024RB79
RefSeq Size:	2564
Cytogenetics:	12q13.2
RefSeq ORF:	1635
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]).