

## Product datasheet for **TP309066L**

### 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, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209066 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MLLLHRAVLRRLQQACRLKSIPSRICIQACSTNDSFQPQRPSLTFSGDNSSTQGWRVMGTLGLGAVLAY  
QDHRCRAAQESTHIYKKEEVSSHTSPETGIWVTLGSEVFDVTEFVDLHPGGPSKMLAAGGPLEPFWALY  
AVHNQSHVRELLAQYKIGELNPEDKVAPTIVETSQPYADDPVRHPALKVNSQRPFNAEPPPELLTENYITP  
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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_000447</a>
<b>Locus ID:</b>	6821
<b>UniProt ID:</b>	<a href="#">P51687</a> , <a href="#">A0A024RB79</a>
<b>RefSeq Size:</b>	2564
<b>Cytogenetics:</b>	12q13.2
<b>RefSeq ORF:</b>	1635
<b>Summary:</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. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).