

## Active Native Chicken Sulfite Oxidase

**Cat. No.** SUOX-248G    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified Native Chicken Liver Sulfite Oxidase. CAS Number: 9029-38-3, E.C. Number: 1.8.3.1.
<b>Species</b>	Chicken
<b>Source</b>	Chicken Liver
<b>Description</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>Form</b>	Lyophilized from 50mM Potassium Phosphate, pH: 7.8
<b>Bio-activity</b>	30-70 units/mg
<b>Molecular Mass</b>	110kDa
<b>Purity</b>	>85% by SDS-PAGE

### GENE INFORMATION

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<b>Gene Name</b>	SUOX sulfite oxidase [ Gallus gallus ]
<b>Official Symbol</b>	SUOX
<b>Synonyms</b>	sulfite oxidase
<b>Gene ID</b>	396278
<b>Function</b>	electron carrier activity; heme binding; molybdenum ion binding

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