

Active Native Chicken Sulfite Oxidase

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

SPECIFICATION

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

GENE INFORMATION

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

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