

## monomeric sarcosine oxidase Protein, Bacillus sp.

Cat. No.:	HY-P702177
Synonyms:	soxA; Monomeric sarcosine oxidase; MSOX
Species:	Others
Source:	E. coli
Accession:	P23342 (M1-K387)
Gene ID:	/
Molecular Weight:	

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	The monomeric sarcosine oxidase protein plays a pivotal role in cellular metabolism by catalyzing the oxidative demethylation of sarcosine. Through its enzymatic activity, this protein facilitates the removal of a methyl group from sarcosine, contributing to the metabolic transformations involved in various biochemical pathways. The oxidative demethylation process underscores the significance of the monomeric sarcosine oxidase protein in the regulation of cellular methyl group transfers, emphasizing its crucial role in maintaining metabolic homeostasis.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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