

## monomeric sarcosine oxidase Protein, Bacillus sp. (His)

|                   |   |
|-------------------|---|
| Cat. No.:         | HY-P702178                              |
| 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. |
|------------|---|

**Caution: Product has not been fully validated for medical applications. For research use only.**

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