

## Active Recombinant Monoamine Oxidase A

**Cat. No.** MAOA-01    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Source</b>          | E.coli                                                                                                                          |
| <b>Description</b>     | Monoamine oxidase-A is an enzyme that degrades neurotransmitters, such as serotonin, dopamine, and norepinephrine.              |
| <b>Source</b>          | E. coli                                                                                                                         |
| <b>Tag</b>             | His                                                                                                                             |
| <b>CAS No.</b>         | 9001-66-5                                                                                                                       |
| <b>Form</b>            | Yellow Lyophilized Powder                                                                                                       |
| <b>Bio-Activity</b>    | Specific Activity: 55 U/mg Protein<br>Activity: 15.5 U/mg solid                                                                 |
| <b>Unit Definition</b> | One unit of MAO catalyzes the formation of 1 $\mu$ mole of H <sub>2</sub> O <sub>2</sub> per minute under the assay conditions. |
| <b>Purity</b>          | ≥ 95% by SDS-PAGE                                                                                                               |
| <b>Stability</b>       | At least 1 year                                                                                                                 |

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**Storage**

Store it at -20 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

This enzyme powder is PBS based buffer and reconstitute using H<sub>2</sub>O.

**GENE INFORMATION****Official Symbol**

MAOA

**Synonyms**

MAOA; Monoamine Oxidase A; EC 1.4.3.4

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