

## Active Recombinant Glycerol-3-phosphate Oxidase

**Cat. No.** GPOSP-40    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Glycerol-3-phosphate Oxidase                                                                                                                                      |
| <b>Form</b>             | Yellow Lyophilized powder                                                                                                                                                            |
| <b>Bio-activity</b>     | Specific Activity: 188 U/mg protein Activity: 43.79 U/mg Solid                                                                                                                       |
| <b>Purity</b>           | ≥95% by SDS-PAGE                                                                                                                                                                     |
| <b>Storage</b>          | Store at -20 centigrade for at least 2 years                                                                                                                                         |
| <b>Reconstitution</b>   | It is recommended to reconstitute the lyophilized powder in sterile 18M-cm H <sub>2</sub> O. After reconstituting, store frozen in small aliquots. Avoid repeated freeze-thaw cycles |
| <b>CAS No.</b>          | 9046-28-0                                                                                                                                                                            |
| <b>Unit definition</b>  | One unit will oxidize 1.0 umol of L-glycerol-3-phosphate per minute at 37 centigrade and pH8.1 to phosphodihydroxyacetone phosphate, producing H <sub>2</sub> O <sub>2</sub> .       |

### GENE INFORMATION

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Official Symbol</b> | GPOSP                               |
| <b>Synonyms</b>        | GPOSP; Glycerol-3-phosphate Oxidase |

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