

## Active Native *Aspergillus niger* Lipase

**Cat. No.** Lipase-30A    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Lipase, <i>Aspergillus niger</i> is a biocatalyst and a key enzyme in new biocatalyst technology. Enzyme engineering focuses on enhancing enzyme reaction kinetics, substrate selectivity, and activity under harsh conditions such as low or high pH. By introducing stimulus responsiveness to these enzyme modifications, dynamic control of activity is also possible |
| <b>Species</b>          | <i>Aspergillus niger</i>                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Solid, White to off-white                                                                                                                                                                                                                                                                                                                                                 |
| <b>Bio-activity</b>     | ≥50000 U/g soild                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Store at -20 centigrade for 2 years.                                                                                                                                                                                                                                                                                                                                      |
| <b>Unit Definition</b>  | One unit is defined as the amount that hydrolyzes the substrate to produce 1μmol of titratable fatty acids under certain conditions (at temperature 36 centigrade and pH 9.4) in 1 min.                                                                                                                                                                                   |
| <b>EC No.</b>           | 3.1.1.34                                                                                                                                                                                                                                                                                                                                                                  |

### GENE INFORMATION

|                        |        |
|------------------------|--------|
| <b>Official Symbol</b> | Lipase |
| <b>Synonyms</b>        | Lipase |

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