# Active Recombinant Hypocrea jecorina L-arabinitol 4-dehydrogenase

**Cat. No.** lad1-14H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | |
| **Species** | Hypocrea jecorina |
| **Source** | E.coli |
| **Description** | L-arabinitol 4-dehydrogenase (LAD1; EC 1.1.1.12) is an enzyme in the L-arabinose catabolic pathway of fungi that catalyzes the conversion of L-arabinitol into L-xylulose. |
| **Source** | E. coli |
| **Species** | Hypocrea jecorina |
| **Tag** | His |
| **CAS No.** | 9028-19-7 |
| **Form** | White lyophilized powder |
| **Bio-Activity** | Specific Activity: 145 U/mg Protein<br>Activity: 33 U/mg solid |
| **Unit Definition** | One unit will cause the generation of 1.0 µmole of NADH from NAD per min at pH 9.5 at 37 centigrade. |

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| **Purity** | ≥ 95% by SDS-PAGE |
| **Stability** | At least 1 year |
| **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 H2O. |

## GENE INFORMATION

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| **Official Symbol** | lad1 |
| **Synonyms** | lad1; L-arabinitol 4-dehydrogenase; EC 1.1.1.12 |

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