# Recombinant Human Insulin

**Catalog Number: OM643805**

## Characteristics:

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| **Source** | Yeast |
| **Description** | Human Insulin<br>(αlpha chain: G-I-V-E-Q-C-C-T-S-I-C-S-L-Y-Q-L-E-N-Y-C-N<br>beta chain: F-V-N-Q-H-L-C-G-S-H-L-V-E-A-L-Y-L-V-C-G-E-R-G-F-F-Y-T-P-K-T)<br>Accession # P01308 |
| **Predicted molecular mass** | 5.8 kDa |

## Specification:

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| **Appearance** | White powder, Colorless clear liquid after reconstitution |
| **Purity** | ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining) |
| **Endotoxin** | ≤20 EU/mg by the LAL method |
| **Formulation** | Lyophilized from a 0.22 μm-filtered solution |
| **Size** | 100 mg/vial, 1 g/vial |

## Handling and Storage:

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| **Reconstitution** | It is recommended to redissolve in sterile 0.01 M HCl at a concentration of not less than 1mg/mL. |
| **Shipping** | The product is shipped with blue ice. |
| **Storage & Stability** | 36 months at -20°C to -80°C in lyophilized state<br>6 months at -20°C to -80°C under sterile conditions after reconstitution<br>7-10 days at 2°C to 8°C under sterile conditions after reconstitution<br>**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** |