



# Certificate of Analysis

## Heparinase III Protein, *P. heparinus* (His)

|                   |                      |
|-------------------|----------------------|
| Cat. No.:         | HY-P79211            |
| Batch No.:        | 259978               |
| Species:          | Others               |
| Source:           | <i>E. coli</i>       |
| Tag:              | N-6*His              |
| Accession:        | AAB18278 (Q25-P659)  |
| Gene ID:          | 8254931              |
| Molecular Weight: | Approximately 74 kDa |

### ANALYTICAL DATA

| TEST                | Specifications   | Results |
|---------------------|--|---------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE  | 97.00%  |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.  | PASS    |
| Biological Activity | Measured by its ability to liberate oligosaccharides from heparin. Which can be measured by absorbance at 232 nm. The specific activity is 432.279935 pmol/min/μg, as measured under the described conditions. | PASS    |
| Appearance          | Solution   |         |
| Concentration       | 0.50 mg/mL   |         |
| Reconstitution      | N/A.   |         |
| Storage & Stability | Stored at -80°C. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.                                      |         |
| Shipping            | Shipping with dry ice  |         |

**Caution: Product has not been fully validated for medical applications. For research use only.**

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