



# Certificate of Analysis

## O-GlcNAcase/OGA Protein, *B. thetaiotaomicron* (His)

|                   |                   |
|-------------------|-------------------|
| Cat. No.:         | HY-P79242         |
| Batch No.:        | 270477            |
| Species:          | Others            |
| Source:           | <i>E. coli</i>    |
| Tag:              | N-6*His           |
| Accession:        | Q89Z12 (Q22-K737) |
| Gene ID:          | 1074035           |
| Molecular Weight: | 80-95 kDa         |

### ANALYTICAL DATA

| TEST                | Specifications   | Results               |
|---------------------|--|-----------------------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE  | ≥95.0%                |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.  | <1 EU/μg              |
| Biological Activity | Measured by its ability to cleave a peptide substrate, 4-methylumbelliferyl-N-acetyl-beta-D-glucosaminide. Read at excitation and emission wavelengths of 365 nm and 445 nm. The specific activity is 3120.1541 pmol/min/μg, as measured under the described conditions. | 3120.1541 pmol/min/μg |
| Appearance          | Lyophilized powder   |                       |
| Reconstitution      | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).  |                       |
| Storage & Stability | Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.  |                       |
| Shipping            | Room temperature in continental US; may vary elsewhere.  |                       |

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

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