



Certificate of Analysis

Galectin-8 Protein, Rat (His)

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|-------------------|----------------------|
| Cat. No.: | HY-P76943A |
| Batch No.: | 320314 |
| Species: | Rat |
| Source: | <i>E. coli</i> |
| Tag: | N-6*His |
| Accession: | Q6IN24 (M1-W316) |
| Gene ID: | 116641 |
| Molecular Weight: | Approximately 34 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 binding ability in a functional ELISA. Immobilized SLC31A1 at 5 μg/mL (100 μL/well) can bind Rat Galectin-8. The ED ₅₀ for this effect is 3.773 μg/mL. | 3.773 μg/mL |
| Appearance | Lyophilized powder | |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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 for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). 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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