



# Certificate of Analysis

## DMBT1 Protein, Human (HEK293, His)

|                   |                               |
|-------------------|-------------------------------|
| Cat. No.:         | HY-P75710                     |
| Batch No.:        | 279207                        |
| Species:          | Human                         |
| Source:           | HEK293                        |
| Tag:              | C-His                         |
| Accession:        | Q9UGM3/NP_004397.2 (T20-S220) |
| Gene ID:          | 1755                          |
| Molecular Weight: | 35-45 kDa                     |

### ANALYTICAL DATA

| TEST                | Specifications  | Results |
|---------------------|---|---------|
| Purity              | Greater than 95% as determined by reducing SDS-PAGE   | 96.90%  |
| Endotoxin Level     | <1 EU/µg, determined by LAL method.   | PASS    |
| Biological Activity | Measured by its binding ability in a functional ELISA. Immobilized recombinant human Galectin-3 at 10 µg/mL (100 µl/well) can bind biotinylated DMBT1-His with a linear range of 0.06-1.0 µg/mL.                  | PASS    |
| 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 for 2 years. 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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