



# Certificate of Analysis

## TSC22/TSC22D1 Protein, Human (His)

|                   |                         |
|-------------------|-------------------------|
| Cat. No.:         | HY-P76685               |
| Batch No.:        | 321325                  |
| Species:          | Human                   |
| Source:           | <i>E. coli</i>          |
| Tag:              | N-His                   |
| Accession:        | Q15714-2 (M1-A144)      |
| Gene ID:          | 8848                    |
| Molecular Weight: | Approximately 19-20 kDa |

### ANALYTICAL DATA

| TEST                | Specifications  | Results      |
|---------------------|---|--------------|
| Purity              | Greater than 90% as determined by reducing SDS-PAGE   | 94.30%       |
| Endotoxin Level     | <1 EU/μg, determined by LAL method.   | PASS         |
| Biological Activity | Measured by its ability to inhibit the cell growth of Hela cells. The ED <sub>50</sub> for this effect is 0.6712 μg/mL, corresponding to a specific activity is 1.489×10 <sup>3</sup> units/mg.                   | 0.6712 μg/mL |
| 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 (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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