



Certificate of Analysis

Cadherin-1/CD324 Protein, Rat (HEK293, His)

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|-------------------|--|
| Cat. No.: | HY-P74367 |
| Batch No.: | 468339 |
| Species: | Rat |
| Source: | HEK293 |
| Tag: | C-10*His |
| Accession: | Q9R0T4 (Q24-A713) |
| Gene ID: | 83502 |
| Molecular Weight: | Approximately 80 kDa due to the glycosylation. |

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 the ability of the immobilized protein to support the adhesion of MCF-7 cells. When 5×10^4 cells/well are added to Rat Cadherin-1/CD324 Protein, cell adhesion is enhanced in a dose dependent manner after 30 minutes at 37 °C. The ED_{50} for this effect is 0.3603 μg/mL, corresponding to a specific activity is 2.775×10^3 U/mg. | 0.3603 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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