



## Certificate of Analysis

## Cadherin-13 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P74365
Batch No.:	400127
Species:	Mouse
Source:	HEK293
Tag:	C-10*His
Accession:	Q9WTR5 (M1-A692)
Gene ID:	12554
Molecular Weight:	Approximately 90-110 kDa due to the glycosylation.

## ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥97.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by the ability of the immobilized protein to inhibit the adhesion of HUVEC human umbilical vein endothelial cells. When $5 \times 10^4$ cells/well are added to Recombinant Mouse Cadherin-13 coated plates, cell adhesion is inhibited in a dose dependent manner after 2.5 hours at 37 °C. The ED <sub>50</sub> for this effect is 4.025 μg/mL, corresponding to a specific activity is 248.447 units/mg.	4.025 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA