

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

Cat. No.:	HY-P74367
Synonyms:	Cadherin-1; CDH1; CAM 120/80; E-cadherin; CD324
Species:	Rat
Source:	HEK293
Accession:	Q9R0T4 (M1-A713)
Gene ID:	83502
Molecular Weight:	Approximately 79 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
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.

### DESCRIPTION

Background	Cadherin-1/CD324 protein, a calcium-dependent cell adhesion molecule, plays a pivotal role in various cellular processes. By preferentially interacting with other cadherin molecules of the same type in a homophilic manner, CDH1 contributes to the sorting and organization of different cell types within tissues. Furthermore, it is involved in regulating cell-cell adhesions, mobility, and proliferation of epithelial cells. CDH1 also serves as a ligand for integrin alpha-E/beta-7 and exhibits a potent suppressor role in invasion. Additionally, it promotes the non-amyloidogenic degradation of Abeta precursors and exerts a strong inhibitory effect on the production of APP C99 and C83.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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