

Human CellExp E-Cadherin /ECAD /Cadherin-1/CD324 Protein, human recombinant protein**Cadherin-1, CDH1, CD324, E-cadherin, Arc-1, ECAD, LCAM, UVO**
Catalog # PBV11042r**Specification**

Human CellExp E-Cadherin /ECAD /Cadherin-1/CD324 Protein, human recombinant protein - Product infoPrimary Accession
Calculated MW[P12830](#)

This protein is fused with 6×His tag at the C-terminus, has a calculated MW of 67 kDa. The predicted N-terminus is Gln 23. DTT-reduced Protein migrates as 67 kDa due to glycosylation. KDa

Human CellExp E-Cadherin /ECAD /Cadherin-1/CD324 Protein, human recombinant protein - Additional Info

| | |
|---|----------------|
| Gene ID | 999 |
| Gene Symbol | CDH1 |
| Other Names | |
| Cadherin-1, CDH1, CD324, E-cadherin, Arc-1, ECAD, LCAM, UVO | |
| Gene Source | Human |
| Source | HEK293 cells |
| Assay&Purity | SDS-PAGE; ≥90% |
| Assay2&Purity2 | N/A; |
| Recombinant | Yes |
| Target/Specificity | |
| Cadherin-1 | |

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format

Lyophilized

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp E-Cadherin /ECAD /Cadherin-1/CD324 Protein, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp E-Cadherin /ECAD /Cadherin-1/CD324 Protein, human recombinant protein
- Images

Human CellExp E-Cadherin /ECAD /Cadherin-1/CD324 Protein, human recombinant protein
- Background

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells. Cadherins may thus contribute to the sorting of heterogeneous cell types. Cadherin-1 (CDH1) also known as epithelial cadherin (E-cadherin), CD_antigen (CD324), Uvomorulin (UVO) ECAD and CDHE, CDH1 / CD324 contains 5 cadherin domains. CDH1 / CD324 / ECAD is expressed in non-neural epithelial tissues. CDH1 / E-CAD is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells and has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7. E-Cad promotes non-amyloidogenic degradation of Abeta precursors and has a strong inhibitory effect on APP C99 and C83 production. Defects in CDH1 / CD324 / ECAD are the cause of hereditary diffuse gastric cancer (HDGC).

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- References

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