

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).

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

Bussemakers M.J.G.,et al.Mol. Biol. Rep. 17:123-128(1993).
Oda T.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:1858-1862(1994).
Rimm D.L.,et al.Biochem. Biophys. Res. Commun. 200:1754-1761(1994).
Ito K.,et al.Oncogene 18:7080-7090(1999).
Shibamoto S.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.