

Human CellExp™ E-Cadherin /ECAD /Cadherin-1/CD324, (Fc Tag), Human Recombinant

CATALOG NO: P1522-10 10 µg
P1522-50 50 µg

ALTERNATE NAMES: Cadherin-1, CDH1, CD324, E-cadherin, Arc-1, ECAD, LCAM, UVO

MOL. WT. This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 92.3 kDa. The protein migrates as 100 kDa and 120 kDa Cadherin, a 48 kDa Propeptide under reducing (R) condition (SDS-PAGE) due to different glycosylation.

SOURCE: HEK293 cells

PURITY: >95% SDS-PAGE

ENDOTOXIN: Less than 1.0 EU per µg by the LAL method.

FORM: Lyophilized

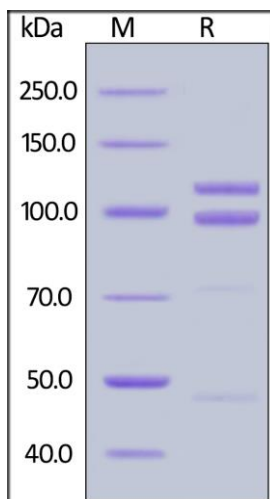
FORMULATION: Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile water. 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

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

DESCRIPTION: 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) is 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).

AMINO ACID SEQUENCE: AA Gln 23 - Pro 621



Human E-Cadherin, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue.

RELATED PRODUCTS:

- Cadherin Antibody (3365R)
- Anti-E-cadherin Antibody (IHC564) (A1518)
- E-Cadherin (Human) ELISA Kit (K4189)
- Anti-E-Cadherin (CDH1) Rabbit Monoclonal Antibody (A1126)

FOR RESEARCH USE ONLY! Not to be used on humans.