Datasheet for ABIN7482472

E-cadherin Protein (AA 155-709) (Fc Tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	E-cadherin (CDH1)
Protein Characteristics:	AA 155-709
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This E-cadherin protein is labelled with Fc Tag.

Product Details

Purpose:	Human E-Cadherin / Cadherin-1 (155-709) Protein, Fc Tag (MALS verified)
Sequence:	Asp 155 - Ala 709
Characteristics:	Human E-Cadherin (155-709) Protein, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Asp 155 - Ala 709 (Accession # P12830-1).
Purity:	90 %
Endotoxin Level:	1.0 EU per µg
Grade:	MALS verified

Target Details

Target:	E-cadherin (CDH1)
Alternative Name:	E-Cadherin (CDH1 Products)

Target Details

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) 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).
Molecular Weight:	87.0 kDa
Pathways:	WNT Signaling, Sensory Perception of Sound, Cell-Cell Junction Organization, Tube Formation

Application Details

Comment:	This protein carries a human IgG1 Fc tag at the C-terminus. (Fc) The protein has a calculated MW of 87.0 kDa . The protein migrates as 50 kDa and 95-110 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0
Storage:	-20 °C
Storage Comment:	-20°C