

VE-cadherin rabbit-FC recombinant protein

Catalog No: YD3112

Reactivity: Human;

Purity: >90% as determined by SDS-PAGE

Gene Name: VE-cadherin

Protein Name: Cadherin-5 (7B4 antigen) (Vascular endothelial cadherin) (VE-cadherin) (CD

antigen CD144)

Sequence: Amino acid:48-300, with rabbit FC tag.

Human Gene Id: 1003

Human Swiss Prot

P33151

No:

Formulation : Phosphate-buffered solution

Source: Mammalian cells

Storage Stability: -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Background: This gene encodes a classical cadherin of the cadherin superfamily. The

encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion molecule is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classical cadherin by imparting to cells the ability to adhere in a homophilic manner, this protein plays a role in endothelial adherens junction assembly and maintenance. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. [provided by RefSeq,

Nov 2015],

Function: function:Cadherins are calcium dependent cell adhesion

proteins.,function: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. This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It associates with



alpha-catenin forming a link to the cytoskeleton., similarity: Contains 5 cadherin domains., subcellular location: Found at cell-cell boundaries and probably at cell-matrix boundaries., tissue specificity: Endothelial tissues and brain.,

Subcellular Location:

Cell junction . Cell membrane ; Single-pass type I membrane protein . Found at cell-cell boundaries and probably at cell-matrix boundaries. KRIT1 and CDH5 reciprocally regulate their localization to endothelial cell-cell junctions. .

Expression : Endothelial tissues and brain.

Products Images