9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-13139: CDH5 Mouse

Alternative Name : Cadherin-5, Vascular endothelial cadherin, VE-cadherin, CD144, Cdh5.

Description

Source: Sf9, Insect cells.
Sterile filtered colorless solution.
Cadherin-5, also known as CDH5 is a classical cadherin which belongs to the cadherin superfamily. The CDH5 is located in a six-cadherin cluster in a region on the long arm of chromosome 16 which is involved in loss of heterozygosity events in breast as well as prostate cancer. CDH5 is a calcium-dependent cell-cell adhesion glycoprotein composed of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Furthermore, CDH5 functions as a classic cadherin by passing on to cells the ability to adhere in a homophilic manner, CDH5Â plays a significant role in endothelial cell biology through control of the cohesion as well as organization of the intercellular junctions.
CDH5 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 583 amino acids (25-599a.a.) and having a molecular mass of 66.2kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa).CDH5 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CDH5 protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	GPNFPQIDTP NMLPAHHRQK RDWIWNQMHI DEEKNESLPH YVGKIKSNVN RQNAKYVLQG EFAGKIFGVD ANTGNVLAYE RLDREKVSEY FLTALIVDKN TNKNLEQPSS FTVKVHDIND NWPVFSHQVF NASVPEMSAI GTSVIRVTAV DADDPTVAGH ATVLYQIVKG NEYFSIDNSG LIFTKIKNLD REKQAEYKIV VETQDALGLR GESGTATVMI RLEDINDNFP VFTQSTYTFS VPEDIRVGKP LGFLTVVDPD EPQNRMTKYS IMQGEYRDTF TIETDPKRNE GIIKPTKSLD YEVIQQYTFY IEATDPTIRY EYLSSTSGKN KAMVTINVLD VDEPPVFQRH FYHFKLPENQ KKPLIGTVVA KDPDKAQRSI GYSIRKTSDR GQFFRITKQG NIYNEKELDR ETYAWYNLTV EANELDSRGN PVGKESIVQV YIEVLDENDN PPEFAQPYEP KVCENAAQGK LVVQISATDK DVVPVNPKFK FALKNEDSNF TLINNHDNTA NITVKYGQFN REHAKFHYLP VLISDNGVPS LTGTSTLTVG VCKCNEQGEF TFCEEMAAQA GVSIQLEHHH HHH.