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32-13137: CDH2 Human

Alternative Name : Cadherin 2, Cadherin 2, Type 1, N-Cadherin (Neuronal), Neural Cadherin, N-Cadherin, CDw325, NCAD, CDHN, Calcium-Dependent Adhesion Protein, Neuronal, CD325 Antigen, N-Cadherin 1, Cadherin-2, CD325.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Cadherin-2 isoform 1, also known as CDH2 is a transmembrane, homophilic glycoprotein which belongs to the calcium-dependent cell adhesion molecule family. CDH2 takes part in neurons and later on was discovered to participate in cardiac muscle and in cancer metastasis as well. The CDH2 loss promotes tumorigenesis through releasing membrane-bound Beta-catenin, and so stimulating Wnt signaling. Furthermore, CDH2 appears to be implicated in tumor development, however this discovery is limited in adrenocortical tumors-ACTs.Â
CDH2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 574 amino acids (160-724a.a.) and having a molecular mass of 62.9kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa).CDH2 is expressed with a 6 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CDH2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 20% 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 :	ADPDWVIPPI NLPENSRGPF PQELVRIRSD RDKNLSLRYS VTGPGADQPP TGIFIINPIS GQLSVTKPLD REQIARFHLR AHAVDINGNQ VENPIDIVIN VIDMNDNRPE FLHQVWNGTV PEGSKPGTYV MTVTAIDADD PNALNGMLRY RIVSQAPSTP SPNMFTINNE TGDIITVAAG LDREKVQQYT LIIQATDMEG NPTYGLSNTA TAVITVTDVN DNPPEFTAMT FYGEVPENRV DIIVANLTVT DKDQPHTPAW NAVYRISGGD PTGRFAIQTD PNSNDGLVTV VKPIDFETNR MFVLTVAAEN QVPLAKGIQH PPQSTATVSV TVIDVNENPY FAPNPKIIRQ EEGLHAGTML TTFTAQDPDR YMQQNIRYTK LSDPANWLKI DPVNGQITTI AVLDRESPNV KNNIYNATFL ASDNGIPPMS GTGTLQIYLL DINDNAPQVL PQEAETCETP DPNSINITAL DYDIDPNAGP FAFDLPLSPV TIKRNWTITR LNGDFAQLNL KIKFLEAGIY EVPIIITDSG NPPKSNISIL RVKVCQCDSN GDCTDVDRIV GAGLGTGAHH HHHH.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.