
Product Data Sheet

Product Name: CDH2 Human

Cat. No.: GP23104

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	ADPDWVIPPI NLPENSRGPF PQELVRIRSD RDKNLSLRYS VTGPGADQPP TGIFIINPIS GQLSVTKPLD REQIARFHLR AHAVDINGNQ VENPIDIVIN VIDMNDNRPE FLHQVWNGTV PEGSKPGTYV MTVTAIDADD PNALNGMLRY RIVSQAPSTP SPNMFTINNE TGDITVAAG 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 EVPIITDSG NPPKSNISIL RVKVCQCDSN GDCTDVDRIV GAGLGTGAHH HHHH.		
Formulation	CDH2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 20% glycerol.		

Introduction

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 β -catenin, and so stimulating Wnt signaling. Furthermore, CDH2 appears to be implicated in tumor development, however this discovery is limited in

Caution: Product has not been fully validated for medical applications. For research use only.

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adrenocortical tumors-ACTs.

Stability

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.

Background

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.

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