Recombinant human N-Cadherin/CDH2 protein

Catalog Number: ATGP3634

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
160-724aa

UniProt No.
P19022

NCBI Accession No.
NP_001783

Alternative Names
Cadherin-2 isoform 1, CDH2, CD325, CDHN, CDw325, NCAD, Neural cadherin

PRODUCT SPECIFICATION

Molecular Weight
62.9 kDa (574aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
CDH2, also known as cadherin-2 isoform 1, is a transmembrane, homophilic glycoprotein belonging to the calcium-dependent cell adhesion molecule family. It plays a role in neurons and later was found to also play a role in cardiac muscle and in cancer metastasis. Its loss promotes tumorigenesis by releasing membrane-bound B-catenin, hence stimulating Wnt signaling. It seems to be involved in tumor development, but this finding is

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limited in adrenocortical tumors (ACTs). Recombinant human CDH2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

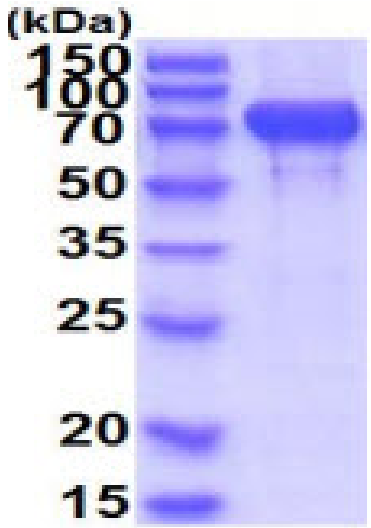
ADPDWVIPPI NLPENSRGPF PQELVRIRSD RDKNLSLRYS VTGPGADQPP TGIFIINPIS GQLSVTKPLD REQIARFHLR AHAVDINGNQ VENPIDIVIN VIDMNDNRPE FLHQVWNGTV PEGSKPGTYV MTVTAIDADD PNALNGMLRY RIVSQAPSTP SPNMFTINNE TGDIITVAAG LDREKVQQYT LIIQATDMEG NPTYGLSNTA TAVITVTDVN DNPPEFTAMT FYGEVPENRV DIIVANLTVT DKDQPHTPAW NAVYRISGGD PTGRFAIQTD 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

General References

Buxton RS., et al. (1992) Semin Cell Biol. 3:157-167.
Rubin B., et al. (2016) Tumour Biol. 37:13545-13555.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)