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YB91481Mu01

Cadherin, Neuronal (CDH2)

Organism: *Mus musculus* (Mouse)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

5th Edition (Revised in January, 2013)

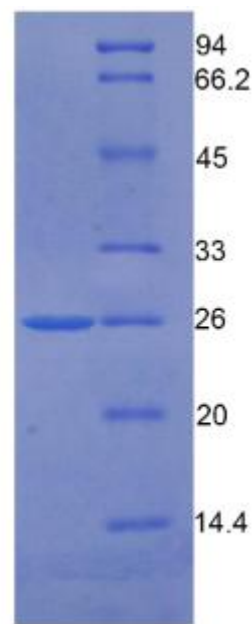
[**DESCRIPTION**]

Protein Names: Cadherin, Neuronal

Synonyms: CDH2

Species: Mouse

Mouse CDH2 kDa



15% SDS-PAGE

Size: 100μg

Source: *Escherichia coli* -derived



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Subcellular Location: Cell membrane;

Single-pass type I membrane protein.

[PROPERTIES]

Residues: Leu45~His238 (Accession # P15116), with

N-terminal His-Tag.

Grade & Purity: >95%, 26kDa as

determined by SDS-PAGE reducing conditions.

Formulation: Supplied as lyophilized

form in PBS, pH 7.4, containing 5% sucrose.

Endotoxin Level: <1.0 EU per 1 μ g

(determined by the LAL method).

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

Predicted Molecular Mass: 23.8kDa

Predicted isoelectric point: 7.2

[PREPARATION]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and



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precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with N-terminal His-Tag, its sequence is listed below.

MGHHHHHSGSEF-LPKDVH EGQPLLNVKF SNCNRKRKVQ YESSEPADFK VDEDGTVYAV
RSFPLTAEQA KFLIYAQDKE TQEKWQVAVN LSREPTLTEE PMKEPHEIEE IVFPRQLAKH
SGALQRQKRD WVIPPINLPE NSRGPPQEL VRIRSDRDN LSLRYSVTGP GADQPPTGIF
IINPISGQLS VTKPLDRELI ARFHLRAH