Delivery

Background



PRODUCT INFORMATION

Target CA2D1

Synonyms CACNA2, CACNL2A, CCHL2A, LINC01112, IncRNA-

N3

DescriptionHuman CA2D1 full length protein-synthetic

nanodisc 6~8weeks

Uniprot ID P54289 Expression Host HEK293

Protein Families Ion Channels: Other

Protein Pathways N/A

Molecular Weight

The human full length CA2D1 protein has a MW of

124.6kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%

Formulation &
Reconstitution

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with pH lower than 6.5 in subsequent experiments. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

Storage & Shipping intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

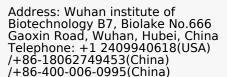
temperature.

The preproprotein encoded by this gene is cleaved into multiple chains that comprise the alpha-2 and delta subunits of the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization. Mutations in this gene can cause cardiac deficiencies,

including Brugada syndrome and short QT syndrome. Alternate splicing results in multiple transcript variants, some of which may lack the delta subunit portion. [provided by RefSeq, Nov

20141

Usage Research use only



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