

PRODUCT INFORMATION

C-Flag&Strep Tag Tag

Target NMDE1

Synonyms EPND, FESD, GluN2A, LKS, NMDAR2A, NR2A

Human NMDE1-Strep full length protein-synthetic **Description**

nanodisc

Delivery 6~8weeks **Uniprot ID** Q12879 **Expression Host HEK293**

Ion Channels: Sodium **Protein Families**

Protein Pathways N/A

Storage & Shipping

The human full length NMDE1-Strep protein has a **Molecular Weight**

MW of 165.3 kDa

mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & for specific instructions. Do not use solvents with Reconstitution

a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

Lyophilized from nanodisc solubilization buffer (20

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

Lyophilized proteins are shipped at ambient

témperature.

This gene encodes a member of the glutamate-gated ion channel protein family. The encoded protein is an N-methyl-D-aspartate (NMDA) receptor subunit. NMDA receptors are both ligand-gated and voltage-dependent, and are involved in long-term potentiation, an activitydependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of

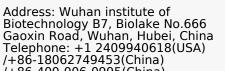
Background memory and learning. These receptors are permeable to calcium ions, and activation results

in a calcium influx into post-synaptic cells, which results in the activation of several signaling cascades. Disruption of this gene is associated with focal epilepsy and speech disorder with or without cognitive disability. Alternative splicing results in multiple transcript variants. [provided

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by RefSeq, May 2014]

Usage Research use only Conjugate Unconjugated



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