Nanodisc Human NMDZ1 Protein

HDFP741

Product Information

Product SKU:	HDFP741	**Expression Host**:	HEK293	**Size**:	10µg
Target:	NMDZ1	**Tag**:	C-Flag Tag		

Additional Information

Conjugate:	Unconjugated	**Uniprot ID:**	Q05586
Molecular Weight:	The human full length NMDZ1 protein has a MW of 105.4kDa		

Protein Information

Background:	The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2008]
Synonyms:	GluN1, MRD8, NDHMSD, NDHMSR, NMD-R1, NMDA1, NMDAR1, NR1
Protein Description:	Human NMDZ1 full length protein-synthetic nanodisc
Formulation:	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 for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Protein Pathways:	-
Protein Families:	Ion Channels: Glutamate Receptors.
Usage:	Research use only

Contact Details | Dublin, Ireland
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Storage & Shipping: 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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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