

## Recombinant Human NMDA 2B Protein, Biotinylated

Catalog Number: 230-30132B

### Data Sheet / Certificate of Analysis (CoA)

Last Revised: 11/27/2024

### Source

Species	Human
Accession Number	Q13224
Gene Symbols	GRIN2B
Synonyms	GluN2B, Glutamate [NMDA] receptor subunit epsilon-2, N-methyl D-aspartate receptor subtype 2B, NMDAR2B, NR2B, N-methyl-D-aspartate receptor subunit 3, NR3, Hnr3.
Expressed Region	Hybrid peptides (AA: Arg27-Asp557, Tyr579-Val634, Gln656-Asn817)

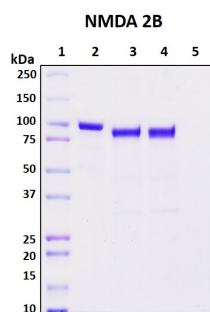
### Preparation

Expression System	HEK293 cells
Tag	N-terminal his-tag. The primary amino groups (-NH <sub>2</sub> ) at the N-terminus and the side chains of lysine (K) residues were biotin-conjugated using the standard chemical labeling method.
Purity	>90%
Molecular Weight	Recombinant protein product has a calculated molecular mass of 85 kDa. Due to the abundant glycosylation, it migrates as approximately 100 kDa protein band in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. After deglycosylation under native and denature conditions, the protein presented as one reduced ~85 kDa band. See deglycosylation analysis image below.

### Specifications

Format	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS
Concentration	Determined by BCA protein assay
Reconstitution	Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5 - 1.0 mg/mL with sterile deionized water.

## SDS-PAGE Image



## Shipping

The product is shipped with ice packs. Upon arrival, immediately store it at the temperature recommended below.

## Storage/Stability

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C.
- For long term storage, it is recommended to store desiccated below -20°C in a manual defrost freezer.
- Generally, the shelf life is up to 12 months from date of receipt at -20°C or -80°C under sterile conditions.
- Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20°C. For long term storage, it is recommended to make appropriate aliquots at -20°C or -80°C.