

# Recombinant Human GRIN2A protein, His-tagged

**Cat. No.** GRIN2A-5732H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GRIN2A protein(933-1127 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 933-1127 aa                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AASequence</b>       | DMVSDKGNLMYSDNRSFQGKESIFGDNMNELQTFVANRQKDNLNNYVFQGQHPLT<br>LNESNPNTVEVAVSTESKANSRPRQLWKKSVDSIRQDSLQNPVSQRDEATAENRT<br>HSLKSPRYLPEEMAHSDISETSNRATCHREPDNSKNHKTKDNFKRSVASKYPKDCS<br>EVERTYLKTKSSSPRDKIYTIDGKEPG                                                                       |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                               |
| <b>Reconstitution</b>   | Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25                                                                                                                                                                                             |

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

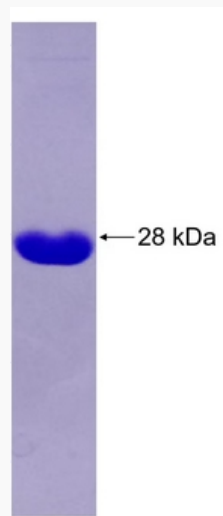
|                        |                                                                                                                                                                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GRIN2A glutamate receptor, ionotropic, N-methyl D-aspartate 2A [ Homo sapiens ]                                                                                                                                                                                                                                           |
| <b>Official Symbol</b> | GRIN2A                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | GRIN2A; glutamate receptor, ionotropic, N-methyl D-aspartate 2A; NMDAR2A; glutamate [NMDA] receptor subunit epsilon-1; GluN2A; hNR2A; NMDA receptor subtype 2A; N-methyl D-aspartate receptor subtype 2A; N-methyl-D-aspartate receptor subunit 2A; N-methyl-D-aspartate receptor channel, subunit epsilon-1; EPND; NR2A; |
| <b>Gene ID</b>         | 2903                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_000833                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_000824                                                                                                                                                                                                                                                                                                                 |
| <b>MIM</b>             | 138253                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>      | Q12879                                                                                                                                                                                                                                                                                                                    |

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SDS-PAGE



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