

## Recombinant Human GRIN3B Protein

**Cat. No.** GRIN3B-5347H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GRIN3B full-length ORF (AAI56391.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | The protein encoded by this gene is a subunit of an N-methyl-D-aspartate (NMDA) receptor. The encoded protein is found primarily in motor neurons, where it forms a heterotetramer with GRIN1 to create an excitatory glycine receptor. Variations in this gene have been proposed to be linked to schizophrenia. [provided by RefSeq, Nov 2015]                                                                                                                                                                                                            |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 114.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MEFVRALWLGLALALGPGSAGGHPQPCGVLARLGGSVRLGALLPRAPLARARARA<br>ALARAALAPRLPHNLSLELVVAAPPARDPASLTRGLCQALVPPGVAALLAFPEARPE<br>LLQLHFLAAATETPVLSLLRREARAPLGAPNPFHLQLHWASPLETLDDVLVAVLQAHA<br>WEDVGLALCRTCQDPGGLVALWTSRAGRPPQLVLDLSRRDTGDAGLRARLAPMAAP<br>VGGEAPVPAAVLLGCDIARARRVLEAVPPGPHWLLGTPLPPKALPTAGLPPGLLALG<br>EVARPPLEAAIHDIVQLVARALGSAAQVQPKRALLPAPVNCGDLQPAGPESPGRFLA<br>RFLANTSFQGRTPGVVWTGSSQVHMSRHFVWVSLRRDPRGAPAWATVGSWRDG<br>QLDLEPGGASARPPPPQGAQVWPVKLRVVTLLHPPFVFARDPDEDGQCPAGQLCLD<br>PGTNDSATLDALFAALANGSAPRALRKCCYGYCIDLLERLAEDTPFDLFELYLVGDGK |

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YGALRDGRWTGLVGDLLAGRAHMAVTSFSINSARSQVVDFTSPFFSTSLGIMVRAR  
 DTASPIGAFMWPLHWSTWLGVF AALHLTALFLT VYEWRSPLYGLTPRGRNRSTVFSY  
 SSALNLCYAILFRRTVSSKTPKCPTGRLLMNLWAIFCLLVSSYTANLAAVMVGDKTF  
 EELSGIHDPKLHHPAQGFRFGTVWESSAEAYIKKSFPDMHAHMRRHSAPTTPRGVA  
 MLTSDPPKLNAFIMDKSLLDYEVSIDADCKLLTVGKPFAIEGYGIGLPQNSPLTSNLSE  
 FISRYKSSGFIDLLHDKWYKMVPCGKR VF AVTETLQMSIYHFAGLFVLLCLGLGSALL  
 SSLGEHAFFRLALPRIRKGSRLQYWLHTSQKIHRALNTEPPEGSKEETAEEAEPSPGE  
 VEQQQQQQDQPTAPEGWKRRARRAVDKERRVRFLLEPAVVVAPEADAEAEAAPRE  
 GPVWLCSYGRPPAARPTGAPQPGELQELERRIEVARERLRQALVRRGQLLAQLGD  
 SARHRPRRLLQARAAPAEAPPHSGRPGSQE

**Applications**

Antibody Production  
 Functional Study  
 Compound Screening

**Usage**

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

**GENE INFORMATION**
**Gene Name**

GRIN3B glutamate receptor, ionotropic, N-methyl-D-aspartate 3B [ Homo sapiens ]

**Official Symbol**

GRIN3B

**Synonyms**

GRIN3B; glutamate receptor, ionotropic, N-methyl-D-aspartate 3B; glutamate [NMDA]

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receptor subunit 3B; GluN3B; NMDAR3B; NMDA receptor subunit 3B; N-methyl-D-aspartate receptor subtype 3B; NMDA type glutamate receptor subunit NR3B; NR3B;

|                       |                           |
|-----------------------|---------------------------|
| <b>Gene ID</b>        | <a href="#">116444</a>    |
| <b>mRNA Refseq</b>    | <a href="#">NM_138690</a> |
| <b>Protein Refseq</b> | <a href="#">NP_619635</a> |
| <b>MIM</b>            | <a href="#">606651</a>    |
| <b>UniProt ID</b>     | <a href="#">O60391</a>    |

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