

## 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 ALARAALAPRLPHNLSLELVVAAPPARDPASLTRGLCQALVPPGVAALLAFPEARPE LLQLHFLAAATETPVLSLLRREARAPLGAPNPFHLQLHWASPLETLLDVLVAVLQAHA WEDVGLALCRTCQDPGGLVALWTSRAGRPPQLVLDLSRRDTGDAGLRARLAPMAAP VGGEAPVPAAVLLGCDIARARRVLEAVPPGPHWLLGTPLPPKALPTAGLPPGLLALG EVARPPLEAAIHDIVQLVARALGSAAQVQPKRALLPAPVNCGDLQPAGPESPGRFLA RFLANTSFQGRTPVWVTGSSQVHMSRHFVWVSLRRDPRGAPAWATVGSWRDG QLDLEPGGASARPPPPQGAQVWPKLRVVTLLLEHPFVFARDPDEDGQCPAGQLCLD PGTNSATLDALFAALANGSAPRALRKCCYGYCIDLLERLAEDTPDFELYLVGDGK

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YGALRDGRWTGLVGDLLAGRAHMAVTSFSINSARSQVVDFTSPFFSTSLGIMVRAR  
 DTASPIGAFMWPLHWSTWLGVFAALHLTALFLTVEWRSPYGLTPRGRNRSTVFSY  
 SSALNLCYAILFRRTVSSKTPKCPTGRLLMNLWAIFCLLVSSYTANLAAVMVGDKTF  
 EELSGIHDPKLHHPAQGFRFGTVWESSAEAYIKKSFPDMHAHMRRHSAPTTPRGVA  
 MLTSDPPKLNAFIMDKSLLDYEVSIDADCKLLTVGKPF AIEGYGIGLPQNSPLTSNLSE  
 FISRYKSSGFIDLLHDKWYKMVPCGKR VFAVTETLQMSIYHFAGL FVLLCLGLGSALL  
 SSLGEHAFFRLALPRIRKGSRLQYWLHTSQKIHRALNTEPPEGSKEETAEAEPSPGPE  
 VEQQQQQQDQPTAPEGWKRARRAVDKERRVRFLL E PAVVVAPEADAEAEAAPRE  
 GPVWLCSYGRPPAARPTGAPQPGELQE LERRIEVARERLRQALVRRGQLLAQLGD  
 SARHRPRLLQARAAPAEAPP HSGRPGSQE

<b>Applications</b>	Antibody Production Functional Study Compound Screening
<b>Usage</b>	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	GRIN3B glutamate receptor, ionotropic, N-methyl-D-aspartate 3B [ Homo sapiens ]
<b>Official Symbol</b>	GRIN3B
<b>Synonyms</b>	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;

**Gene ID** 116444

**mRNA Refseq** NM\_138690

**Protein Refseq** NP\_619635

**MIM** 606651

**UniProt ID** O60391

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