

Recombinant Human GRIN3B Protein

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

SPECIFICATION

Product Overview	Human GRIN3B full-length ORF (AAI56391.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	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]
Form	Liquid
Molecular Mass	114.8 kDa
AA Sequence	MEFVRALWLGLALALGPSAGGHPQPCGVLARLGGSVRLGALLPRAPLARARARA ALARAALAPRLPHNLSLELVVAAPPARDPASLTRGLCQALVPPGVAALLAFPEARPE LLQLHFLAAATETPVLSLLRREARAPLGAPNPFHLQLHWASPLETLDDVLVAVLQAHA WEDVGLALCRTCQDPGGLVALWTSRAGRPPQLVLDLSRRDTGDAGLRARLAPMAAP VGGEAPVPAAVLLGCDIARARRVLEAVPPGPHWLLGTPLPPKALPTAGLPGLLALG EVARPPLEAAIHDIVQLVARALGSAAQVQPKRALLPAPVNCGDLQPAGPESPGRFLA RFLANTSFQGRTPVWVTGSSQVHMSRHFVWVSLRRDPRGAPAWATVGSWRDG QLDLEPGGASARPPPPQGAQVWPVKLRVVTLLHPPFVFARDPDEDGQCPAGQLCLD PGTNDSATLDALFAALANGSAPRALRKCCYGYCIDLLERLAEDTPFDFFELYLVGDGK

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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;

Gene ID [116444](#)

mRNA Refseq [NM_138690](#)

Protein Refseq [NP_619635](#)

MIM [606651](#)

UniProt ID [O60391](#)

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