

Recombinant Full Length Human GRIN3B Protein

Cat. No. GRIN3B-5540HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GRIN3B full-length ORF (AAI56391.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	404 amino acids
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	MEFVRALWLGLALALGPGSAGGHPQPCGVLARLGGSVRLGALLPRAPLARARARA ALARAALAPRLPHNLSLELVVAAPPARDPASLTRGLCQALVPPGVAALLAFPEARPE LLQLHFLAAATETPVLSLLRREARAPLGAPNPFHLQLHWASPLETLLDVLVAVLQAHA WEDVGLALCRTQDPGGLVALWTSRAGRPPQLVLDLSRRDTGDAGLRARLAPMAAP VGGEAPVPAAVLLGCDIARARRVLEAVPPGPHWLLGTPLPPKALPTAGLPPGLLALG EVARPPLEAAIHDIVQLVARALGSAAQVQPKRALLPAPVNCGDLQPAGPESPGRFLA RFLANTSFQGRTPVWVTGSSQVHMSRHFVWVSLRRDPRGAPAWATVGSWRDG

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QLDLEPGGASARPPPPQGAQVWPCLRVTLLLEHPFVFARDPDEDGQCPAGQLCLD
 PGTNDSATLDALFAALANGSAPRALRKCCYGYCIDLLERLAEDTPDFELYLVGDGK
 YGALRDGRWTGLVGDLLAGRAHMAVTSFSINSARSQVVDFTSPFFSTSLGIMVRAR
 DTASPIGAFMWPLHWSTWLGVFAALHLTALFLTVEWRSPYGLTPRGRNRSTVFSY
 SSALNLCYAILFRRTVSSKTPKCPTGRLLMNLWAIFCLLVSSYTANLAAVMVGDKTF
 EELSGIHDPKLHHPAQGFRFGTVWESSAEAYIKKSFPDMHAHMRRHSAPTTPRGVA
 MLTSDPPKLNAFIMDKSLLDYEVSIDADCKLLTVGKPF AIEGYGIGLPQNSPLTSNLSE
 FISRYKSSGFIDLLHDKWYKMVPCGKR VFAVTETLQMSIYHFAGLVLLCLGLGSALL
 SSLGEHAFFRLALPRIRKGSRLQYWLHTSQKIHRALNTEPPEGSKEETAEAEPSPGPE
 VEQQQQQQDQPTAPEGWKRARRAVDKERRVRFLLLEPAVVVAPEADAEAEAAPRE
 GPVWLCSYGRPPAARPTGAPQPGELQELERRIEVARERLRQALVRRGQLLAQLGD
 SARHRPRLLQARAAPAEAPPHSGRPGSQE

Applications	Antibody Production Functional Study Compound Screening
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] 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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