Recombinant Human GRIN2B Protein, GST-tagged

Cat. No. GRIN2B-5345H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GRIN2B partial ORF (NP_000825, 127 a.a. - 236 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA receptor channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of three different subunits: NR1 (GRIN1), NR2 (GRIN2A, GRIN2B, GRIN2C, or GRIN2D) and NR3 (GRIN3A or GRIN3B). The NR2 subunit acts as the agonist binding site for glutamate. This receptor is the predominant excitatory neurotransmitter receptor in the mammalian brain. [provided by RefSeq
Molecular Mass	37.84 kDa
AA Sequence	HGGSSMIMADKDESSMFFQFGPSIEQQASVMLNIMEEYDWYIFSIVTTYFPGYQDFV NKIRSTIENSFVGWELEEVLLLDMSLDDGDSKIQNQLKKLQSPIILLYCTKEE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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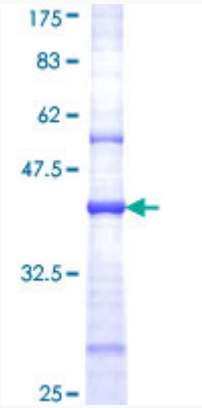
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	GRIN2B glutamate receptor, ionotropic, N-methyl D-aspartate 2B [Homo sapiens]
Official Symbol	GRIN2B
Synonyms	GRIN2B; glutamate receptor, ionotropic, N-methyl D-aspartate 2B; NMDAR2B; glutamate [NMDA] receptor subunit epsilon-2; GluN2B; NR3; glutamate receptor subunit epsilon-2; N-methyl-D-aspartate receptor subunit 3; N-methyl D-aspartate receptor subtype 2B; MRD6; NR2B; hNR3; MGC142178; MGC142180;
Gene ID	2904
mRNA Refseq	NM_000834
Protein Refseq	NP_000825
MIM	138252
UniProt ID	Q13224

Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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