Recombinant Human GRIN2D Protein, His-tagged

Cat. No. GRIN2D-2216H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GRIN2D Protein (Phe28-Ala584) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe28-Ala584
Description	N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA 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 the key receptor subunit NMDAR1 (GRIN1) and 1 or more of the 4 NMDAR2 subunits: NMDAR2A (GRIN2A), NMDAR2B (GRIN2B), NMDAR2C (GRIN2C), and NMDAR2D (GRIN2D).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 6 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	GRIN2D glutamate receptor, ionotropic, N-methyl D-aspartate 2D [Homo sapiens (human)]
Official Symbol	GRIN2D
Synonyms	GRIN2D; glutamate receptor, ionotropic, N-methyl D-aspartate 2D; NMDAR2D; glutamate [NMDA] receptor subunit epsilon-4; EB11; GluN2D; N methyl d aspartate receptor subunit 2D; NR2D; estrogen receptor binding CpG island; N-methyl D-aspartate receptor subtype 2D; N-methyl-d-aspartate receptor subunit 2D;
Gene ID	2906
mRNA Refseq	NM_000836

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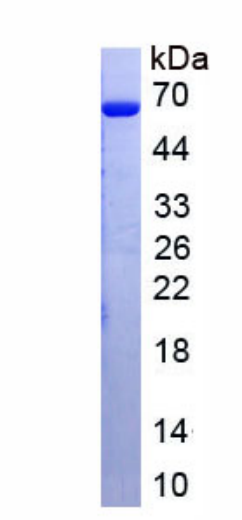
Protein Refseq	NP_000827
MIM	602717
UniProt ID	O15399
	

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