

## Product datasheet for **TP315549M**

### GRIN3A (NM\_133445) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glutamate receptor, ionotropic, N-methyl-D-aspartate 3A (GRIN3A), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215549 representing NM_133445 Red=Cloning site Green=Tags(s)

MRRLSLWWLLSRVCLLLPPPCALVLAGVPSSSSHPQPCQILKRIGHAVRVGAVHLQPWTTAPRAASRAPD  
DSRAGAQRDEPEPGTRRSPAPSPGARWLGSTLHGRGPPGSRKPGEGARAEALWPRDALLFAVDNLNRVEG  
LLPYNLSLEVMAIEAGLGDPLLPFSSPSPWSSDPFSFLQSVCHTVVQGVSAALLAFPQSQGEMMELD  
LVSLVLHIPVISIVRHEFPRESQNPPLHLQLSLENSLSSDADVTVSILTMNNWYNFSLLLCQEDWNITDFL  
LLTQNNSKFHLGSIINITANLPSTQDLLSFLQIQLESIKNSTPTVVMFGCDMESIRRIFEITTQFGVMPP  
ELRWVLGDSQNVEELRTEGLPLGLIAHGKTTQSVFEHYVQDAMELVARAVATATMIQPELALIPSTMNCM  
EVETTNTLSGQYLSRFLANTTFRGLSGSIRVKGSTIVSSENNFFIWNLQHDPMGKPMWTRLGSWQGGKIV  
MDYGIWPEQAQRHKTHFQHPSKLHLRVVTLIEHPFVFTREVDDEGLCPAGQLCLDPMTNDSSSTLDSLFS  
LHSSNDTVPIKFKCCYGYCIDLLEKIAEDMNFDFDLYIVGDGKYGAWKNGHWTLVGDLLRGTAHMAVT  
SFSINTARSQVIDFTSPFFSTSLGILVRTRDTAAPIGAFMWPLHWTMWLGIFVALHITAVFLTYEWKSP  
FGLTPKGRNRSKVFSSALNICYALLFGRTVAIKPPKCWTGRFLMNLWAIFCMFCLSTYTANLAAVMVG  
EKIYEELSGIHDPKLHHPQSQGRFRGTVRESSAEDYVRQSFPEMHEYMRRYNVPATPDGVEYLKNDPEKLD  
AFIMDKALLDYEVSIDADCKLLTVGKPF AIEGYGIGLPPNSPLTANISELISQYKSHGFMDMLHDKWYRV  
VPCGKRFAVTETLQMGIKHFSGLFVLLCIGFGLSILTTIGEHIYRLLLPRIKNKSGLQYWLHTSQRLH  
RAINTSFIEEKQHFKTKRVEKRSNVGPRQLTVWNTSNLSHDNRRKYIFSDEEQNQLGIQIHQDIPLPP  
RRREL PALRTTNGKADSLNVSRSVMQELSELEKQIQVIRQELQLAVSRKTELEEYQRTSRTCES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

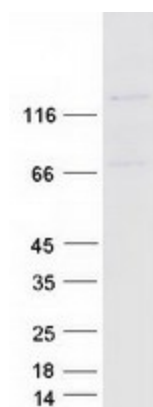
Tag:	C-Myc/DDK
Predicted MW:	125.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_597702</a>
<b>Locus ID:</b>	116443
<b>UniProt ID:</b>	<a href="#">Q8TCU5</a>
<b>RefSeq Size:</b>	7770
<b>Cytogenetics:</b>	9q31.1
<b>RefSeq ORF:</b>	3345
<b>Synonyms:</b>	GluN3A; NMDAR-L; NMDAR3A; NR3A
<b>Summary:</b>	This gene encodes a subunit of the N-methyl-D-aspartate (NMDA) receptors, which belong to the superfamily of glutamate-regulated ion channels, and function in physiological and pathological processes in the central nervous system. This subunit shows greater than 90% identity to the corresponding subunit in rat. Studies in the knockout mouse deficient in this subunit suggest that this gene may be involved in the development of synaptic elements by modulating NMDA receptor activity. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction

### Product images:



Coomassie blue staining of purified GRIN3A protein (Cat# [TP315549]). The protein was produced from HEK293T cells transfected with GRIN3A cDNA clone (Cat# [RC215549]) using MegaTran 2.0 (Cat# [TT210002]).