

Product datasheet for **TP519694**

Grin3a (NM_001033351) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glutamate receptor ionotropic, NMDA3A (Grin3a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR219694 representing NM_001033351
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MRRLSLWLLSRVCLLLPPPCALVLAGVPSSSSHPQPCQILKRIGHAVRVGAVHLQPWTTAPRAASRAQD
GGRAGAQRDEPESGTWRPPAPSQGARWLGSALHGRGPPGSRKLGEGAGTETLWPRDALLFAVENLNRVEG
LLPYNLSLEVMMAIEAGLGDPLMPFSSPSPWSSDPFSFLQSVCHTVVQGVSAALLAFPQSQGEMMELD
LVSSVLHIPVLSIVRHEFPRESQNPLHLQLSLENSLSSDADVTVSILTMNNWYNFSLLLCQEDWNITDFL
LLTENNSKFHLESIIITANLSSTKDLLSFLQVQLENIRNSTPTMVMFGCDMGSIRQIFEMSTQFGLSPP
DLHWVLGDSQNVEELRTEGLPLGLIAHGKTTQSVFEYVQDAMELVARAVATATMIQPELALLPSTMNCM
DVKTTNLTSGQYLSRFLANTTFRGLSGSIKVKGSTIVSSENNFFIWNLQYDPMGKPMWTRLGWSWQGGRIV
MDSGIWPEQAQRHKTHFHHPNKLHLRVTLIEHPFVFTREVDDEGLCPAGQLCLDPMTNDSILDSLFSS
LHSSNDTVPIKFKKCCYGYCIDLLEQLAEDMNFDFDLYIVGDGKYGAWKNGHWTGLVGDLLSGTANMAVT
SFSINTARSQVIDFTSPFFSTSLGILVRTRDTAAPIGAFMWPLHWTMWLGIFVALHITAIFLTYEWKSP
FGMTPKGRNRNKVFSFSSALNVCYALLFGRTAAIKPPKCWTGRFLMNLWAIFCMFCLSTYTANLAAMVVG
EKIYEELSGIHDPKLLHPSQGFRFGTVRESSAEDYVRQSFPEMHEYMRRYNVPATPDGVQYLKNDPEKLD
AFIMDKALLDYEVSIDADCKLLTVGKPFIEGYGIGLPPNSPLTSNISELISQYKSHGFMVDLHDKWYKV
VPCGKRFAVTETLQMGIKHFSGLFVLLCIGFGLSILTTIGEHIYRLLLPRIKNKSQYLWHTSQRFH
RALNTSFVEEKQPCSKTKRVEKRSNMGPQQLMVWNTSNLSDNQRKYIFNDEEGQNQLGTQTHQDIPLPP
RRRELPAASLTNGKADSLNVARNSVMQELSELEKQIQVIRQELQLAVSRKTELEEQRTNRTCES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	125.1 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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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001028523
Locus ID:	242443
UniProt ID:	A2AIR4
RefSeq Size:	7667
Cytogenetics:	4 B1
RefSeq ORF:	3345
Synonyms:	6430537F04; A830097C19Rik; mKIAA1973; NMDAR-L; NR3A
Summary:	NMDA receptor subtype of glutamate-gated ion channels with reduced single-channel conductance, low calcium permeability and low voltage-dependent sensitivity to magnesium. Mediated by glycine. During the development of neural circuits, plays a role in the synaptic refinement period, restricting spine maturation and growth (By similarity). By competing with GIT1 interaction with ARHGEF7/beta-PIX, may reduce GIT1/ARHGEF7-regulated local activation of RAC1, hence affecting signaling and limiting the maturation and growth of inactive synapses (PubMed:24297929). May also play a role in PPP2CB-NMDAR mediated signaling mechanism (By similarity).[UniProtKB/Swiss-Prot Function]