

## Product datasheet for PH315549

### GRIN3A (NM\_133445) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GRIN3A MS Standard C13 and N15-labeled recombinant protein (NP_597702)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215549
Predicted MW:	125.3 kDa
Protein Sequence:	>RC215549 representing NM_133445 Red=Cloning site Green=Tags(s)

MRRLSLWWLLSRVCLLLPPPCALVLAGVPSSSSHPQCQILKRIGHAVRVGAVHLQPWTTAPRAASRAPD  
DSRAGAQRDEPEPGTRRSPAPSPGARWLGSTLHGRGPPGSRKPGEGARAEALWPRDALLFAVDNLNRVEG  
LLPYNLSLEVMAIEAGLGDLPLLPFSSPSPWSSDPFSFLQSVCHTVVVQGVSAALLAFPQSQGEMMELD  
LVSLVHLHIPVISIVRHEFPRESQNPHLQLSLENSLSSDADVTVSILTMNNWYNSLLLQCEDWNIITDFL  
LLTQNNSKFHLGSIINITANLPSTQDLLSFLQIQLESIKNSTPTVVMFGCDMESIRRIIFEITTFQGVMP  
ELRWVLGDSQNVHEELRTEGLPLGLIAHGKTTQSVFEHYVDAMELVARAVATATMIQPELALIPSTMNMC  
EVETTNTSGQYLSRFLANTTFRGLSGSIRVKGSTIVSSENNFFIWNLQHPMGKPMWTRLGSWQGGKIV  
MDYGIWPEQAQRHKTHFQHPKSLHLRVVTLIEHPFVFTREVDDEGLCPAGQLCLDPMTNDSSTLDSL  
LHSSNDTVPKFKKCCYGYCIDLLEKIAEDMNFDFDLYIVGDGKYGAWKNGHWTGLVGDLLRGTAHMAVT  
SFSINTARSQVIDFTSPFFSTSLGILVTRTRDAAPIGAFMWPLHWTMWLGFVALHITAVFLTYEWKSP  
FGLTPKGRNRKVFSSALNICYALLFGRTVAIKPPKWTGRFLMNLWAIKCMFCLSTYANLAAVMVG  
EKIYEELSGIHDPKLLHPSQGFRTVRESSAEDYVRQSFPEMHEYMRRYNVPAIPDGVEYLKNDPEKLD  
AFIMDKALLDYEVSIDADCKLLTVGKPFIEGYGIGLPPNSPLTANISELISQYKSHGFMDMLHDKWYRV  
VPCGKRSFAVTE TLQMGIKHFSGLFVLLCIGFGLSILTTIGEHIYRLLLPRIKNSKQLQYWLHTSQRLH  
RAINTSFIEEKQHFKTKRVEKRSNVGPRQLTVWNTSNLSDNRRKYIFSDEEGQNQLGIQIHDIPLP  
RRREL PALRTTNGKADSLNVSRSVMQELSELEKQIQVIRQELQLAVSRKTELEEYQRTSRTCES

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

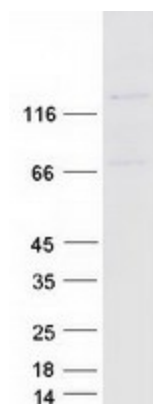
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



[View online »](#)

<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_597702</a>
<b>RefSeq Size:</b>	7770
<b>RefSeq ORF:</b>	3345
<b>Synonyms:</b>	GluN3A; NMDAR-L; NMDAR3A; NR3A
<b>Locus ID:</b>	116443
<b>UniProt ID:</b>	<a href="#">Q8TCU5</a>
<b>Cytogenetics:</b>	9q31.1
<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]).