

Product datasheet for TP323048M

GRIK2 (NM_175768) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glutamate receptor, ionotropic, kainate 2 (GRIK2), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223048 representing NM_175768 Red=Cloning site Green=Tags(s)

MKIIFPILSNPVFRRTVKLLLCLLWIGYSQGTTHVLRFGGIFEVESGPMGAEELAFRFAVNTINRNRTL
LPNTTLTYDTQKINLYDSFEASKKACDQLSLGVAFIGPSHSSANAVQSICNALGVPHIQTRWKHQVSD
NKDSFYVSLYPDFSSLSRAILDVQFFKWKTVTVVYDDSTGLIRLQELIKAPSRYNLRLKIRQLPADTKD
AKPLLKEMKRGKEFHVIFDCSHEMAAGILKQALAMGMMTEYYHYIFTLLDLFALDVEPYRYSGVNMTGFR
ILNTEQVSSIIKWSMERLQAPPKPDGGLDGFMTTDAALMYDAVHVSVAVQQFPQMTVSSLQCNRH
KPWRFGTRFMSLIKEAHWEGLTGRITFNKTNGLRDFDLVSLKEEGLEKIGTWDPASGLNMTESQKKG
PANITDSLSNRSLIVTTILEEPYVLFKKS DKPLYGNDRFEGYCIDLLRELSTILGFTYEIRLVEDGKYGA
QDDANGQWNGMVRELIDHKADLAVAPLAITYVREKVIDFSKPFMTLGISILYRKPNGTNPGVFSFLNPLS
PDIWMIYLLAYLGVSCVLFVIARFSPYEWYNPHPCNPDSVVENNFTLLNSFWFGVGMALMQQGSSELMPPKA
LSTRIVGGIWWFFTLIISSYTANLAAFLTVERMESPIDSAADLAKQTKIEYGAVEDGATMTFFKSKIS
TYDKMWAFMSSRRQSVLVKSNEEGIQRVLTSDYAFLMESTTIEFVTQRNCNLTQIGGLIDSKGYGVGTPM
GSPYRDKITIAILQLQEEGKLHMMKEKWWRGNGCPEEESKEASALGVQNIIGGIFIVLAAGLVLSVFAVAVG
EFLYKSKKNAQLEKESSIWLVPYHPDTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	94.3 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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.

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_786944](#)

Locus ID: 2898

UniProt ID: [Q13002](#), [Q8IY40](#), [A8K0H7](#)

RefSeq Size: 3409

Cytogenetics: 6q16.3

RefSeq ORF: 2607

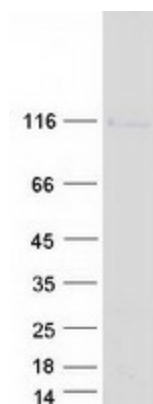
Synonyms: EAA4; GLR6; GluK2; GLUK6; GLUR6; MRT6

Summary: Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive cognitive disability. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Ion Channels: Glutamate Receptors, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Product images:



Coomassie blue staining of purified GRIK2 protein (Cat# [TP323048]). The protein was produced from HEK293T cells transfected with GRIK2 cDNA clone (Cat# [RC223048]) using MegaTran 2.0 (Cat# [TT210002]).