

Product datasheet for TP519233

Grik2 (NM_010349) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glutamate receptor, ionotropic, kainate 2 (beta 2) (Grik2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219233 representing NM_010349 Red=Cloning site Green=Tags(s)

MKIISPVLSNLVFSRSIKVLLCLLWIGYSQGTTHVLRFGGIFEYVESGPMGAEELAFRFAVNTINRNRTL
LPNTTLTYDTQKINLYDSFEASKKACDQLSLGVAAIFGPSHSSSANAVQSICNALGVPHIQTRWKHQVSD
NKDSFYVSLYPDFSSLSRAILDVQFFKWKTVTVVYDDSTGLIRLQELIKAPSRYNLRLKIRQLPADTKD
AKPLLKEMKRGKEFHVIFDCSHEMAAGILKQALAMGMMTEYYHYIFTLLDLFALDVEPYRYSGVNMTGFR
ILNTENTQVSSIIKWSMERLQAPPKPDGGLDGFMTTDAALMYDAVHVSVAVQQFPQMTVSSLQCNRH
KPWRFGTRFMSLIKEAHWEGLTGRITFNKTNGLRTRDFDLVSLKEEGLEKIGTWPSSGLNMTESQKKG
PANITDSLSNRSLIVTTILEEPYVLFKKS DKPLYGNDRFEGYCIDLLRELSTILGFTYEIRLVEDGKYGA
QDDVNGQWNGMVRELIDHKADLAVAPLAITYVREKVIDFSKPFMTLGISILYRKPNGTNPVGSFLNPLS
PDIWMYVLLACLGVSCVLFVIARFSPYEWYNPHPCNPDSVWENNFTLLNSFWFGV GALMRQGSSELM PKA
LSTRIVGGIWWFFTLIISSYTANLAAFLTVERMESPIDSAADLAKQTKIEYGAVEDGATMTFFKSKIS
TYDKMWAFMSSRRQSVLVKSNEEGIQRVLTSDYAFLMESTTIEFVTQRNCNLTQIGGLIDSKGYGVGTPM
GSPYRDKITIAILQLQEEGKLHMMKEKWWRGNGCPEEESKEASALGVQNI GGIFIVLAAGLVLSV FVAVG
EFLYKSKNAQLEKESSIWLVPYHPDTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	98.3 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
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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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:	<u>NP_034479</u>
Locus ID:	14806
RefSeq Size:	4872
Cytogenetics:	10 24.87 cM
RefSeq ORF:	2607
Synonyms:	AW124492; C130030K03Rik; Glu; GluK2; Glur; Glur-6; Glur6; Glurbe; Glurbeta2
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 found for this gene. [provided by RefSeq, Jul 2008]