

## Product datasheet for TP509190

### Grk6 (NM\_001112711) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse G protein-coupled receptor kinase 6 (Grk6), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209190 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MELENIVANTVLLKAREGGGGNRKKGSKKWRQMLQFPHISQCEELRLSLERDYHSLCERQPIGRLLFREF  
CATRPELTRCTAFLDGVSEYEVTPDEKRKACGRRLMQNFLSHTGPDLIPEVPRQLVSNCAQRLEQGPCKD  
LFQELTRLTHEYLSTAPFADYLDLSIYFNRLQWKWLERQPVTKNTRFRQYRVLGKGGFGEVCACQVRATGK  
MYACKKLEKKRIKRRKGEAMALNEKQILEKVNSRFVSLAYAYETKDALCLVLTLMNGGDLKFHIYHMGQ  
AGFPEARAVFYAAEICCGLEDLHRERIVYRDLKPENILLDDHGHIRISDLGLAVHVPEGQTIKGRVGTVG  
YMAPEVVRNERYTFSPDWWALGCLLYEMIAGQSPFQQRKKIKREEVERLVKEVAEEYTDRFSSQARSLC  
SQLLSKDPAERLGCRRGGAREVKEHPLFKKLNFKRLGAGMLEPPFKPDPQAIYCKDVLIDIEQFSTVKGVD  
LEPTDQDFYQKFATGVSIPWQNEMVETECFQELNVFGLDGSVPPDLWDWKGQPTAPPKKGLLQRLFSRQR  
IAVGTAATVRKSSPPASSPQAEAPTGGWR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	67.1 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
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.



[View online »](#)

RefSeq: [NP\\_001106182](#)

Locus ID: 26385

UniProt ID: [Q70293](#)

RefSeq Size: 3014

Cytogenetics: 13 30.06 cM

RefSeq ORF: 1770

Synonyms: Gprk6

**Summary:** Specifically phosphorylates the activated forms of G protein-coupled receptors. Such receptor phosphorylation initiates beta-arrestin-mediated receptor desensitization, internalization, and signaling events leading to their desensitization. Seems to be involved in the desensitization of D2-like dopamine receptors in striatum and chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis (By similarity). Phosphorylates rhodopsin (RHO) (in vitro) and a non G-protein-coupled receptor, LRP6 during Wnt signaling (in vitro) (By similarity). [UniProtKB/Swiss-Prot Function]