

Product datasheet for **TP509736**

Grk2 (NM_130863) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse G protein-coupled receptor kinase 2 (Grk2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209736 representing NM_130863 Red=Cloning site Green=Tags(s)

MQKYLEDRGEVTFEKIFSQKLG YLLFRDFCLNHLEEAKPLVEFYEEIKKYEKLETEEERVVRSREIFDSY
IMKELLACSHPFKSNATEHVQGH LVKKQVPPDLFQPYIEICQNLRGDVFQKFIESDKFTRFCQWKNVEL
NIHLTMNDFSVHRIIGRGGFGEVYGC RKADTGKMYAMKCLDKKRIKMKQGETLALNERIMLSLVSTGDCP
FIVCMSYAFHTPDKLSFILDLMNGGDLHYHLSQHGVFSEADMRFYAAEILGLEHMHNRVYRDLK PAN
ILLDEHGHVRISDLGLACDFSKKRPHASVGT HGYMAPEVLQKGVAYDSSADWFLGCMLFKLLRGHSPFR
QHKTCKDKHEIDRMTLTMAVELPDSFSP ELRSLLLEGLLQRD VNRRLGCLGRGAQEVKESPFRRSLDWQMVF
LQKYPPPLIPRGEVNAADAFDIGSFDEEDTKG IKLLDSDQELYRNFP LTISERWQQEVAETVFD TINAE
TDRLEARKKAKNKQLGHEEDYALGKDCIVHGYMSKMGNPFLTQWQRRYFYLPNRLEWRGEGEAPQSLLT
MEEIQSVEETQIKERKCLLLKIRGGKQFVLQCDSDPELVQWKKELRDAYREAQQLVQRPVKMKNKPRSPV
VELSKVPLIQRGSANGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	75.6 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.



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RefSeq:	NP_570933
Locus ID:	110355
UniProt ID:	Q7TS64 , Q3U1V3
RefSeq Size:	3332
Cytogenetics:	19 3.98 cM
RefSeq ORF:	1941
Synonyms:	Adrbk-1; Bark-1; beta ARK; betaARK1; GRK2
Summary:	Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them. Key regulator of LPAR1 signaling. Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor. Desensitizes LPAR1 and LPAR2 in a phosphorylation-independent manner. Positively regulates ciliary smoothened (SMO)-dependent Hedgehog (Hh) signaling pathway by facilitating the trafficking of SMO into the cilium and the stimulation of SMO activity. [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified Grk2 protein (Cat# TP509736). The protein was produced from HEK293T cells transfected with Grk2 cDNA clone (Cat# [MR209736]) using MegaTran 2.0 (Cat# [TT210002]).