

Product datasheet for TP316602

GRK4 (NM_182982) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human G protein-coupled receptor kinase 4 (GRK4), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216602 protein sequence Red=Cloning site Green=Tags(s)

MELENIVANSLLLKARQGGYGGKSGRSKKWKEILTLPVVSQCSELRHSIEKDYSSSLCDKQPIGRRLFRQF
 CDTKPTLKRHIEFLDAVAEYEVADDEDSDCGLSILDRFFNDKLAAPLPEIPPDVWTECRLGLKEENPSK
 KAFEECTRAVHNYLRGEPFEEYQESSYFSQFLQWKWLERQPVTKNTFRHYRVLGKGGFGEVCACQVRATG
 KMYACKKLQKKRIKKRKGAMALNEKRILEKVQSRFVSLAYAYETKDALCLVLTIMNGGDLKFHIYNLG
 NPGFDEQRAVFYAAELCCGLEDLQRERIVYRDLKPENILLDRGHIRISDLGLATEIPEGQVRVGRVGTV
 GYMAPEVVNNEKYTFSPDWWGLGCLYEMIQGHSPFKYKEKVKWEEVDQRIKNDTEEYSEKFSEDAISI
 CRMLLTKNPSKRLGCRGEGAAGVKQHPVFKDINFRRLEANMLEPPFCPPHAYVCKDVLIDIEQFSAVKGI
 YLDTADEDFYARFATGCVSIPWQNEMIESGCFKDINKSESEALPLDLDKNIHTPVSRRPNRGGFFYRLFRR
 GGCLTMVPSEKEVEPKQC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	66.4 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.
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.



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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_892027](#)

Locus ID: 2868

UniProt ID: [P32298](#)

RefSeq Size: 2321

Cytogenetics: 4p16.3

RefSeq ORF: 1734

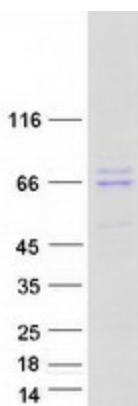
Synonyms: GPRK2L; GPRK4; GRK4a; IT11

Summary: This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates the activated forms of G protein-coupled receptors thus initiating its deactivation. This gene has been linked to both genetic and acquired hypertension. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Chemokine signaling pathway, Endocytosis

Product images:



Coomassie blue staining of purified GRK4 protein (Cat# TP316602). The protein was produced from HEK293T cells transfected with GRK4 cDNA clone (Cat# [RC216602]) using MegaTran 2.0 (Cat# [TT210002]).