

Product datasheet for PH309137

GRK5 (NM_005308) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GRK5 MS Standard C13 and N15-labeled recombinant protein (NP_005299)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209137
Predicted MW:	67.8 kDa
Protein Sequence:	>RC209137 protein sequence Red=Cloning site Green=Tags(s)

MELENIVANTVLLKAREGGGKRGKSKKWEILKFPHISQCEDLRRTIDRDYCSLCKDKQPIGRLLFRQF
CETRPGLECYIQFLDSVAEYEVTPDEKLGEKGKEIMTKYLTPKSPVFAIQVGQDLVSQTEEKLLQKPCKE
LFSACAQSVHEYL RGEFHEYLDSMFFDRFLQWKWLERQPVTKNTFRQYRVLGKGGFGEVCACQVRATGK
MYACKRLEKKRIKKRKGESMALNEKQILEKVNQFVVNLAYAYETKDALCLVLTIMNGGDLKFHIYNMGN
PGFEEERALFYAAEILCGLEDLHRENTVYRDLKPENILLDDYGHIRISDLGLAVKIPEGDLIRGRVGTVG
YMAPEVLNNQRYGLSPDYWGLGCLYEMIEGQSPFRGRKEVKREEVDRRVLETEEVYSHKFSEEAKSIC
KMLLTKDAKQRLGCQEEGAAEVKRHPFFRNMFNRLEAGMLDPPFVPDPRAVYCKDVLIDIEQFSTVKGVN
LDHTDDDFYSKFSTGSVSIWQNEIETECFKELNVFGPNTLPPDLNRNHPPEPPKGLLQRLFKRQHQ
NNSKSSPSSKTSFNHHINSNHVSSNSTGSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005299
RefSeq Size:	2575
RefSeq ORF:	1770



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Synonyms: FP2025; GPRK5

Locus ID: 2869

UniProt ID: [P34947](#)

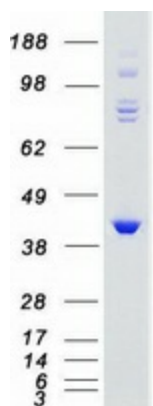
Cytogenetics: 10q26.11

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 their deactivation. It has also been shown to play a role in regulating the motility of polymorphonuclear leukocytes (PMNs). [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Chemokine signaling pathway, Endocytosis

Product images:



Coomassie blue staining of purified GRK5 protein (Cat# [TP309137]). The protein was produced from HEK293T cells transfected with GRK5 cDNA clone (Cat# [RC209137]) using MegaTran 2.0 (Cat# [TT210002]).