

Product datasheet for **TP309137**

GRK5 (NM_005308) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human G protein-coupled receptor kinase 5 (GRK5), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209137 protein sequence Red =Cloning site Green =Tags(s)

MELENIVANTVLLKAREGGGKRGKSKKWKEILKFPHISQCEDLRRTIDRDYCSLCDKQPIGRLLFRQF
CETRPGLECYIQFLDSVAEYVTPDEKLGEKGKEIMTKYLTPKSPVFIQVQDQDLVSQTEKLLQKPCKE
LFSACQSVHEYLRGEPFHEYLD SMFFDRFLQWKWLERQPVTKNTRQYRVLGKGGFGEVCACQVRATGK
MYACKRLEKKRIKKRGESMALNEKQILEKVNSQFVNLAYAYETKDALCLVLTIMNGGDLKFHIYNMGN
PGFEEERALFYAAEILCGLEDLHRENTVYRDLKPENILLDDYGHIRISDLGLAVKIPEGDLIRGRVGTVG
YMAPEVLNNQRYGLSPDYWGLGCLYEMIEGQSPFRGRKEKVKREEVDRRVLETEEVYSHKFSEEAKSIC
KMLLTAKDAKQRLGCGEEGAAEVKRHPFFRNMFNRLEAGMLDPPFVDPRAVYCKDVLIDIEQFSTVKGVN
LDHTDDDFYSKFSTGVSIPWQNMIECTCFKELNVFGPNGTLPPDLNRNHPPEPPKKGLLQRLFKRQHQ
NNSKSSPSSKTSFNHHINSNHVSSNSTGSS

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

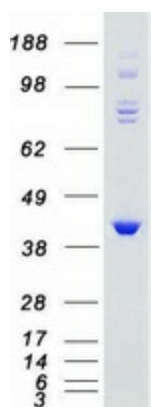
Tag:	C-Myc/DDK
Predicted MW:	67.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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:	<u>NP_005299</u>
Locus ID:	2869
UniProt ID:	<u>P34947</u>
RefSeq Size:	2575
Cytogenetics:	10q26.11
RefSeq ORF:	1770
Synonyms:	FP2025; GPRK5
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]).