

Product datasheet for TP314569

GRK1 (NM_002929) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human G protein-coupled receptor kinase 1 (GRK1), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC214569 representing NM_002929
Red=Cloning site **Green**=Tags(s)

MDFGSLETWANSAFIAARGSFSGSSSQPSRDKKYLAKLKLPLSKCESLRDSLSLEFESVCLEQPIGKK
LFQQFLQSAEKHLPALWLDIEDYDTADNDLQPQKAQTILAQYLDPAKLFCFLDEGIVAKFKEGPVE
IQDGLFQPLLQATLAHLGQAPFQEYLGSLYFLRFLQWKWLEAQPMPGEDWFLDFRVLGKGGFGEVSACQMK
ATGKLYACKKLNKKRLKRRKGYQGAMVEKKILMKVHSRFLVSLAYAFETKADLCLVMTIMNGGDIRYHIY
NVNEENPGFPEPRALFYTAQIICGLEHLHQRRIVYRDLKPEENVLLDNDGNVRISDLGLAVELLDGQSKTK
GYAGTPGFMAPELLQGEEYDFSVDYFALGVTLYEMIAARGPFRARGEKVENKELKHRIIEPVKYPDKFS
QASKDFCEALLEKDPEKRLGFRDETCDKLRAHPLFKDLNWRQLEAGMLMPPFIPDSKTVYAKDIQDVGF
STVKGVAFDKTDEFFQEFATGNCPWPQEEMIETGIFGELNVWRSDGQMPDDMKGISGSSSSSSKSGMC
LVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

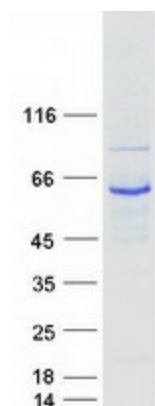
Tag: C-Myc/DDK
Predicted MW: 63.3 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity 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_002920
Locus ID:	6011
UniProt ID:	Q15835
RefSeq Size:	2100
Cytogenetics:	13q34
RefSeq ORF:	1689
Synonyms:	GPRK1; RHOK; RK
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 rhodopsin and initiates its deactivation. Defects in GRK1 are known to cause Oguchi disease 2 (also known as stationary night blindness Oguchi type-2). [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Chemokine signaling pathway, Endocytosis

Product images:



Coomassie blue staining of purified GRK1 protein (Cat# TP314569). The protein was produced from HEK293T cells transfected with GRK1 cDNA clone (Cat# [RC214569]) using MegaTran 2.0 (Cat# [TT210002]).