

## Product datasheet for PH314569

### GRK1 (NM\_002929) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GRK1 MS Standard C13 and N15-labeled recombinant protein (NP_002920)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214569
Predicted MW:	63.3 kDa
Protein Sequence:	>RC214569 representing NM_002929 Red=Cloning site Green=Tags(s)

MDFGSLETVVANSAFIAARGSFDSGSSSQPSRDKKYLAKLKLPLSKCESLRDSLSEFESVCLEQPIGKK  
LFQQFLQSAEKHLPALWLDIEDYDTADNDLQPQKAQTILAQYLDPAKLFCSFLDEGIVAKFKEGPVE  
IQDGLFQPLLQATLAHLGQAPFQEYLGSLYFLRFLQWKWLEAQPMDWFLDFRVLGKGGFGEVSACQMK  
ATGKLYACKKLNKKRLLKRGYQGAMVEKKILMKVHSRFLVSLAYAFETKADLCLVMTIMNGDIRYHIY  
NVNEENPGFPEPRALFYTAQIICGLEHLHQRRIVYRDLKPENVLDDNDGNVRISDLGLAVELLDGQSKTK  
GYAGTPGFMAPELLQGEEYDFSDYFALGVTLYEMIAARGPFRRAGEKVENKELKHRIISEPVKYPDKFS  
QASKDFCEALLEKDPEKRLGFRDETCDKLRAHPLFKDLNWRQLEAGMLMPPFIPDSKTVYAKDIQDVGAF  
STVKGVAFDKTDTEFFQEFATGNCPQPWEEMIETGIFGELNVWRSDDGQMPDDMKGISGGSSSSSKSGMC  
LVS

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_002920</a>
RefSeq Size:	2100
RefSeq ORF:	1689



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**Synonyms:** GPRK1; RHOK; RK

**Locus ID:** 6011

**UniProt ID:** [Q15835](#)

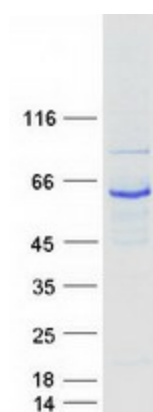
**Cytogenetics:** 13q34

**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]).