

Product datasheet for PH311824

GRK7 (NM_139209) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GRK7 MS Standard C13 and N15-labeled recombinant protein (NP_631948)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211824
Predicted MW:	62 kDa
Protein Sequence:	>RC211824 representing NM_139209 Red=Cloning site Green=Tags(s)

MVDMGALDNLIANTAYLQARKPSDCDSKELQRRRRSLALPGLQGCAELRQKLSLNFHSLCEQQPIGRRLF
RDFLATVPTFRKAATFLEDVQNWELAEEGPTKDSALQGLVATCASAPAGNPQPFLSQAVATKCCQAATTE
EERVAAVTLAKAEAMAFLEQPFKDFVTSAFYDKFLQWKL FEMQPVSDKYFTEFRVLGKGGFGEVCAVQV
KNTGKMYACKKLDKKRLKKKGGEKALLEKEILEKVSSPFIVSLAYAFESKTHLCLVMSLMNGGDLKFHI
YNVGTRGLDMSRVIFYSAQIACGMLHLHEL GIVYRDMKPENVLLDDLGNCRSLDLGLAVEMKGGKPIQQR
AGTNGYMAPEILMEKVSYSYPVDWFAMGCSIYEMVAGRTPFKDYKEKVSKEKDLKQRTLQDEVKFKQHDNFT
EEAKDICRLFLAKKPEQRLGSREKSDDPKHHFFKTINFPRL EAGLIEPPFVDPSPVYAKDIAEIDDFS
EVRGVEFDDKDKQFFKNFATGAVPIAWQEEIIETGLFEELNDPNRPTGCEEGNSSKSGVCLLL

SGPTRRRLEQKLI SEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<u>NP_631948</u>
RefSeq Size:	1746
RefSeq ORF:	1659



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Synonyms: GPRK7

Locus ID: 131890

UniProt ID: [Q8WTQ7](#)

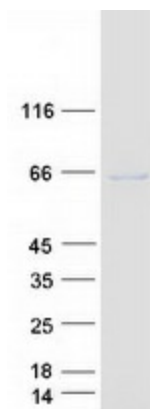
Cytogenetics: 3q23

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. It is specifically expressed in the retina and the encoded protein has been shown to phosphorylate cone opsins and initiate their deactivation. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Chemokine signaling pathway, Endocytosis

Product images:



Coomassie blue staining of purified GRK7 protein (Cat# [TP311824]). The protein was produced from HEK293T cells transfected with GRK7 cDNA clone (Cat# [RC211824]) using MegaTran 2.0 (Cat# [TT210002]).