

Product datasheet for PH317053

DGKD (NM_152879) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DGKD MS Standard C13 and N15-labeled recombinant protein (NP_690618)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217053
Predicted MW:	134.3 kDa
Protein Sequence:	>RC217053 representing NM_152879 Red=Cloning site Green=Tags(s)

MAAAGAPPPGPPQPPPPPPPEESSDSEPEAEPGSPQKLIRKVSTSGQIRQKTIIEGMLTKQNSFQRS
KRRYFKLRGRTRYAKTAKSIIIFDEVLDASVAESSTKNVNSFTVITPCRKLILCADNRKEMEDWIAA
LKTQVQREHFPTQYSMDHFSGMHNWYACSHARPTYCNVCREALSGVTSGLSCEVCKFAHKRCAYRAT
NNCKWTTLASIGKDIIEDADGIAMPHQWLEGNLPVSAKCTVCDKTCGSLVRLQDWRLWCKAMVHTSCKE
SLLTKCPLGLCKVSVIPPTALNSIDSDGFWKASCPPSCTSPLLVFVNSKSGDNQGVKFLRRFKQLLNPAQ
VFDLMNGGPHLGLRFLQKFDTRILVCGGDGSGVWVLEIDSLNLHKQCQLGVLPLGTGNDLARVLGWGS
ACDDDTQLPQILEKLERASTKMLDRWSVMAYEAKLPRQASSTVTEDFSESEVQQILFYEDSVAHLKSK
ILTSQHSVVISSAKVLCETVKDFVARVGKAYEKTTESSESEVMAKKCSVLKEKLDLTLDDDESQAS
SSLNPPPTIAEEAEDGDGSGSICGSTGDRLVASACPARPQIFRPREQLMLRANSLKKAIRQIEIHETEKA
VDEQNAQTQEQEGFVGLSESEEKMDHRVCPPLSHSESFVGPVKGRSQRKVSKSPCEKLSKGSLSLGS
SLPPQPGSRDGLPALNTKILYPNVRAAGMSGSLPGGSVISRLLINADPFNSEPETLEYEYTEKVMNNYFGI
GLDAKISLDFNKRDEHPEKCRSRTKNMMWYGVLTGKELLHRTYKNLEQKVLLECDGRPIPLPSLQGI
LNIPSYAGGTNFWGGTKEDDTFAAPSFDDKILEVVAVFGSMQMAVSRVIRLQHHRIAQCRTVKISILGDE
GVPVQVDGEAWQPPGYIRIVHKNRAQTLTRDRAFESTLKSWEKQKCELPRPPSCSLHPEMLSEEEATQ
MDQFGQAAGVLIHSIREIAQSHRDMEQELAHAVNASSKSMRDVYKPRTEGLNCSFVLEMVNNFRALRS
ETELLLSGKMALQLDPPQKEQLGSALAEMDRQLRRLADTPWLCQSAEPGDEESVMLDLAKRSRSGKFRV
TKFKKEKNKNKEAHSSLGAPVHLWGTEEVAWLEHLSLCEYKDFTRHDIRGSELLHLERRDLKDLGVT
KVGHMKRILCGIKELSRSAPEVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

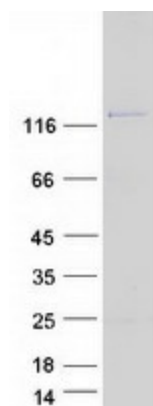
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine



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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_690618
RefSeq Size:	6294
RefSeq ORF:	3642
Synonyms:	DGK-delta; dgkd-2; DGKdelta
Locus ID:	8527
UniProt ID:	Q16760
Cytogenetics:	2q37.1
Summary:	This gene encodes a cytoplasmic enzyme that phosphorylates diacylglycerol to produce phosphatidic acid. Diacylglycerol and phosphatidic acid are two lipids that act as second messengers in signaling cascades. Their cellular concentrations are regulated by the encoded protein, and so it is thought to play an important role in cellular signal transduction. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:



Coomassie blue staining of purified DGKD protein (Cat# [TP317053]). The protein was produced from HEK293T cells transfected with DGKD cDNA clone (Cat# [RC217053]) using MegaTran 2.0 (Cat# [TT210002]).