

Product datasheet for PH305327

DGKZ (NM_003646) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DGKZ MS Standard C13 and N15-labeled recombinant protein (NP_003637)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205327
Predicted MW:	104.1 kDa
Protein Sequence:	>RC205327 protein sequence Red=Cloning site Green=Tags(s)

MEPRDGSPEARSSDESASASSSGSERDAGPEPDKAPRRLNKRFPGLRFLGHRKAITKSLQHLAPPPP
TPGAPCSESERQIRSTVDWSESATYGEHIWFETNVSGDFCYVGEQYCVARMLQKSVSRKCAACKIVVHT
PCIEQLEKINFRCKPSFRESGRNVREPTFVRHHWVHRRRQDGKCRHCGKGFQQKFTFHSKEIVAISCSW
CKQAYHSKVSFCMLQQIEEPCSLGVHAAVVIPTWILRARRPQNTLKASKKKRASFKRKSCKGPEEGR
WRPFIIRPTSPMLKPLLVFVNPKSGGNQGAKIIQSFLWYLNPRQVFDLSQGGPKEALEMYRKVHNLRL
ACGGDGTVGWILSTLDQLRLKPPPVAILPLGTGNDLARTLNWGGGYTDEPVSKILSHVEEGNVVQLDRW
DLHAEPNPEAGPEDRDEGATDRLPLDVFNYYSLGFDAAHVTLFHESSREANPEKFNFRNKMFYAGTAF
SDFLMGSSKDLAKHIRVVCDDMDLTPKIQDLKPKCVVFLNIPRYCAGTMPWGHGPEHDFEPQRHDDGYL
EVIGFTMTSLAALQVGGHGERLTQCREVVLTTSKAIPVQVDGEPCKLAASRIALRNQATMVQKAKRRS
AAPLHSDQQPVPEQLRIQVSRVSMHDYALHYDKEQLKEASVPLGTVVVPGSDLELCRAHIERLQQEPD
GAGAKSPTCQKLSPKWCFLDATTASRFYRIDRAQEHLNYYVEIAQDEIYILDPELLGASARPDLPPTSP
LPTSPCSPTPRSLQGDAAPPQGEELIEAAKRNDKCKLQELHRAGGDLMHRDEQSRTLLHHAIVSTGSKDQV
RYLLDHAPPEILDAVEENGETCLHQAAALGQRTICHYIVEAGASLMKTDQQGDTPRQRAEKAQDTELAAY
LENRQHYQMIQREDQETAV

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
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.



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RefSeq:	NP_003637
RefSeq Size:	3659
RefSeq ORF:	2787
Synonyms:	DAGK5; DAGK6; DGK-ZETA; hDGKzeta
Locus ID:	8525
UniProt ID:	Q13574
Cytogenetics:	11p11.2
Summary:	The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It may attenuate protein kinase C activity by regulating diacylglycerol levels in intracellular signaling cascade and signal transduction. Alternative splicing occurs at this locus and multiple transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Nov 2010]
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system