

Product datasheet for **SC337679**

DGKH (NM_001297429) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DGKH (NM_001297429) Human Untagged Clone
Tag:	Tag Free
Symbol:	DGKH
Synonyms:	DGKeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001297429, the custom clone sequence may differ by one or more nucleotides

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ATGTGGAACATTTCTCAGGGATGCACAACCTGGTACGCCTGCTCCCACGCCGACCCACCTTCTGTAACGT
GTGCAGAGAGAGTCTTTCTGGAGTCACTCCCATGGCCTGCTCCTGCGAAGGTACACACTGCCTGCAAAGA
TTTATACCATCCAATATGCCACTTGGTCAATGTAAGTATCTATCATACCTCCAATTGCACTAAACAGC
ACCGATTCCGATGGTTTCTGTAGAGCAACATTTTCGTTCTGTGTTAGTCCTCTATTGGTTTTGTCAATT
CTAAGAGTGGAGATAATCAGGGAGTAAAGTTCCTCCGTCGCTTTAAACAGTTGCTAAATCCGGCTCAGGT
GTTTGATTTAATGAATGGAGGTCCTCATTTAGGTTTAAAGATTATTTCAGAAGTTTGACAATTTCCGGATT
CTTGTTTGTGGAGGCGATGGAAGTGTAGGTTGGGTTTTGTGAGAAATCGATAAGCTCAACTGAATAAAC
AGTGTGAGCTGGGAGTGTGCCTTTGGGTACAGGAAATGACCTTGCCCGAGTTCTTGCTGGGGAGGTTT
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CATCTGAAGAATTTTATATGACGATTTATGAAGACTCAGTTGCAACGCATTTACAAAAATCCTCAATTC
TGATGAACATGCAGTGGTCATATCTTCTGCCAAGACGCTATGTGAACTGTAAAGGACTTCGTTGCCAAA
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TCCTAAACGAGAAGCTCGAACTGCTGCAGGCTTTGCACACAGATTCCAGGCTGCGCCTGTTCTCCC
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TCGATTATCAACAAAATGTTACTGGCAAACATTGATCCTTTTGGTGCCACGCCGTTTATTGACCCGGATC
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AACTTGAGTGTGATGGGAGTATATTCTCTTCCAGCTTGAAGGCATAGCCGTTGAACATTCACAG
CTATGCTGGAGGCACTAACTTTTGGGTGGAACAAAGAGGATGATATATTTGCTGCACCATCCTTTGAT
GACAAGATCCTGGAAGTTGTAGCAATATTTGATAGCATGCAAAATGGCAGTTTCAAGGGTCATTAACCTGC
AGCATCATCGAATAGCCAGTGCCTGACAGTAAAATCACTATATTTGGTGACGAAGGAGTCCCAGTGCA
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CTAACAAGGGACAGAGCCTTTGAGAGCACTCTGAAATCTTGGGAAGATAAGCAGAAGTGTGATTCTGGTA
AACCAGTTCTCCGAACCCATTTGTACATCCATCACGCCATTGACTTGGCAACAGAAGAGGTGTGCGAGAT
GCAGCTATGCTCCAGGCTGCAGAGGAGCTCATTACTAGGATATGTGACGCAGCCACAATCACTGTCTT
TTGGAGCAAGAACTGGCCATGCTGTGAATGCCTGCTCCCATGCCCTGAATAAAGCCAACCAAGGTGCC
CGGAGAGTCTTACAAGAGACTGCCACTGAAATAGCCATCAATGTGAAGGCGCTGATAAATGAAACAGA
ATCTTTGCTAGTTGGCAGGGTTCCCTTTGCAGCTGGAATCGCCACATGAAGAGCGAGTATCCAATGCCTTA
CACTCTGTGGAGGTGGAATTACAGAAAAGTACAGAGATTCTTGGCTTTATTATATCTTACACCCAAATG
AGGATGAGGAACCTCCTATGGATTGCACAAAAGGAACAACAGAAGCACCATTTCGAATAGTGCCAAA
GTTTAAAAAGGAAAGGTTTCAAGAGCAGAAGACAAGTTTACAGCCTGGATCTGGGGATACCGAAAGTGGG
TCATGTGAAGCGAATTCTCCAGGGAATTA
    
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Restriction Sites: SgfI-MluI
ACCN: NM_001297429

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001297429.1 , NP_001284358.1
RefSeq Size:	16746 bp
RefSeq ORF:	2760 bp
Locus ID:	160851
UniProt ID:	Q86XP1
Cytogenetics:	13q14.11
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system
Gene Summary:	<p>This gene encodes a member of the diacylglycerol kinase (DGK) enzyme family. Members of this family are involved in regulating intracellular concentrations of diacylglycerol and phosphatidic acid. Variation in this gene has been associated with bipolar disorder. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (6) differs in the 5' UTR, lacks a portion of the 5' coding region, two exons in the central coding region, and an in-frame exon in the 3' coding region, compared to variant 1. It initiates translation at an alternate downstream start codon. The encoded isoform (5) has a distinct N-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>